

20040204.qrp v03_n186.qrl.20040204

Date: Wed, 4 Feb 2004 19:03:05 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 3186

QRP-L Digest 3186

Topics covered in this issue include:

- 1) [166951] RE: Tenna Dipper Kit Update
by "Gene Sailsbury" <gsailsbury@mobill1.net>
- 2) [166952] Re: Floating Point Libraries for PIC? Amtel?
by David Willmore <willmore@optonline.net>
- 3) [166953] FOX: Truffle
by Karl Larsen <k5di@zianet.com>
- 4) [166954] Re: PIC-EL #2 is here
by Jeff Logullo <logullo@charter.net>
- 5) [166955] Re: [166942] Re: 3T Toggle Switches
by Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
- 6) [166956] FOX: *QUICK* Twofer!!!
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
- 7) [166957] FOX spots
by Lloyd Lachow <llachow@yahoo.com>
- 8) [166958] Re: *QUICK* Twofer!!!
by "Bob Schreibmaier" <k3ph@ptd.net>
- 9) [166959] Re: FOX: *QUICK* Twofer!!!
by Al Scanandoah <k2zn@rochester.rr.com>
- 10) [166960] Re: *QUICK* Twofer!!!
by Lloyd Lachow <llachow@yahoo.com>
- 11) [166961] FOX: Three for 2 weeks in row!
by Karl Larsen <k5di@zianet.com>
- 12) [166962] HP3400A
by "Rich Johnson" <rjohnson390@comcast.net>
- 13) [166963] Re: *QUICK* Twofer!!!
by "Alan Fryer" <N3BJ@hotmail.com>
- 14) [166964] Portable Radial Ideas?
by "Dennis Payton" <n9jxy@earthlink.net>
- 15) [166965] Re: FOX: *QUICK* Twofer!!!
by "Tom Palmer" <n1tp@swfla.rr.com>
- 16) [166966] 2 Fox pluss da truffle
by Bob KB2FEL <kb2fel@yahoo.com>
- 17) [166967] Fw: AzScQRPions Paddles # 340
by "John Paul Keon" <jpkeon@nc.rr.com>
- 18) [166968] Foxii
by "Brent Sutphin WB4X" <bsutphin@triad.rr.com>
- 19) [166969] Re: HP3400A

- by <n2go@arrl.net>
- 20) [166970] Re: Floating Point Libraries for PIC? Amtel?
by "Tim, N9PUZ" <n9puz@arrl.net>
- 21) [166971] Another Twofer
by "Jerry Ford" <benlightnd13@mchsi.com>
- 22) [166972] Dose Pesky Foxes
by "Ronald W. Evans" <cosmos41@ix.netcom.com>
- 23) [166973] Fox: Two Clean Sweeps!
by "George, W5YR" <w5yr@att.net>
- 24) [166974] Iowa QRP Club CW Net
by Mark Milburn <mark.milburn@ispwest.com>
- 25) [166975] FOX - Wooooooooooooooooo!
by "Lawrence Makoski" <Makos327@worldnet.att.net>
- 26) [166976] Re: Portable Radial Ideas?
by "Lew Paceley" <lew@paceley.com>
- 27) [166977] foxi
by Gary Lee <kb9zuv@arrl.net>
- 28) [166978] holy qrp, foxman!
by sergio <sergio@village-buzz.com>
- 29) [166979] Re: OT Soldering Aluminum
by Ted Kell <tedkell@ev1.net>
- 30) [166980] Elmer 160: PIC-EL
by John D McDougall <jdmcdougall@juno.com>
- 31) [166981] Re: holy qrp, foxman!
by Dale Botkin <dale@botkin.org>
- 32) [166982] FYBO Reminder
by "John Stevens" <jwsteven@concentric.net>
- 33) [166983] Re: OT Soldering Aluminum
by "Leon Heller" <leon_heller@hotmail.com>
- 34) [166984] Re: Elmer 160: Minimum Clearance for DDS Daughtercard
by "George Heron N2APB" <n2apb@clearviewcatv.net>
- 35) [166985] Re: Portable Radial Ideas?
by ARDUJENSKI@aol.com
- 36) [166986] Prelim Truffle log
by "Jerry Ford" <benlightnd13@mchsi.com>
- 37) [166987] Re: Portable Radial Ideas? (Clarification)
by ARDUJENSKI@aol.com
- 38) [166988] HP Power cord - was: HP3400A
by Mark Pilant <n1vqw@arrl.net>
- 39) [166989] Post-action report
by "Marshall Emm" <mgemm@mtechnologies.com>
- 40) [166990] OT: Interesting Website: Imagine The Universe
by Ed Tanton <n4xy@earthlink.net>
- 41) [166991] Beacon Rpt. 80 Mtrs 31 Jan '04
by Chuck Carpenter <w5usj@9plus.net>
- 42) [166992] FYBO from High Point, NJ - anyone...anyone...?
by john.harper@faa.gov
- 43) [166993] Re: Fox: Two Clean Sweeps!

by Karl Larsen <k5di@zianet.com>
44) [166994] Re: [166942] Re: 3T Toggle Switches
by Barry N1EU <n1eu@yahoo.com>
45) [166995] Re: Portable Radial Ideas?
by Lee Mairs <lmairs@direcway.com>
46) [166996] Beacons on 80, report for 01/31/2004
by "Bill Walker" <wv7g@arrl.net>
47) [166997] Question
by John Sielke <jsielke@pobox.com>
48) [166998] Re: FOX - Wooooooooooooooooo!
by John Oppenheimer <john@KN5L.net>
49) [166999] Re: Question
by Brian <brian@iquest.net>
50) [167000] RE: Elmer 160: PIC-EL
by "ratray" <ratray@accesscomm.ca>
51) [167001] Help-what on earth is going on??
by Mike M0BST <m0bst@hotpop.com>
52) [167002] Re: Portable Radial Ideas? (Multiband and resonance)
by ARDUJENSKI@aol.com
53) [167003] Re: holy qrp, foxman!
by michael harnage <michael.e.harnage@boeing.com>
54) [167004] Re: Question
by John Sielke <jsielke@pobox.com>
55) [167005] PSK31 On 30 Meters
by "Jerry Bartachek" <KD0CA@praisescrbe.com>
56) [167006] Re: PIC-EL #2 is here
by "kennymac" <killmodell@earthlink.net>
57) [167007] Re: Portable Radial Ideas?
by "Jerry Hall" <lugehall@hotmail.com>
58) [167008] Re: holy qrp, foxman!
by Lloyd Lachow <llachow@yahoo.com>
59) [167009] Re: Help-what on earth is going on??
by "Noyce, Bill" <william.noyce@hp.com>
60) [167010] Re: Portable Radial Ideas? (Multiband and resonance)
by John Oppenheimer <john@KN5L.net>
61) [167011] Re: Help-what on earth is going on??
by "Dave Benson" <nn1g@earthlink.net>
62) [167012] FOX Report - =?ISO-8859-1?Q?W=D8PWE?=
by "Jerry Hall" <lugehall@hotmail.com>
63) [167013] Black Widow sources
by ARDUJENSKI@aol.com
64) [167014] Re: holy qrp, foxman!
by Garie Halstead K8KFJ <khyberpass65@yahoo.com>
65) [167015] OT: monitoring nasa..
by "Sergio T. Ruiz" <sergio@philway.com>
66) [167016] Re: Fox: Two Clean Sweeps!
by "George, W5YR" <w5yr@att.net>
67) [167017] Re: monitoring nasa..

- by "Leon Heller" <leon_heller@hotmail.com>
- 68) [167018] Transmitting on the Fox frequency
by Garie Halstead K8KFJ <khyberpass65@yahoo.com>
- 69) [167019] Re: monitoring nasa..
by "Steve McDonald" <jsm@gulfislands.com>
- 70) [167020] Re: Black Widow sources
by "Noyce, Bill" <william.noyce@hp.com>
- 71) [167021] Re: Transmitting on the Fox frequency - long, pontifical
by Lloyd Lachow <llachow@yahoo.com>
- 72) [167022] Hewlett Packard Model 160 Frequency Synthesizer
by "Jim Sheldon" <w0eb@cox.net>
- 73) [167023] Manual -- FT-470 (Yaesu 2-band handheld)
by "Bill Linn" <wlinn@smgazette.com>
- 74) [167024] Re: Transmitting on the Fox frequency - long, pontifical
by John Sielke <jsielke@pobox.com>
- 75) [167025] computer xtals ?
by "joswarnier" <on6wj@skynet.be>
- 76) [167026] RE: Black Widow sources
by "Paul Ermisch" <paul@ermisch.com>
- 77) [167027] Re: computer xtals ?
by Curt Milton <wb8yyy@yahoo.com>
- 78) [167028] 80mtr beacon results from Saturday evening.
by "Mike Lyness, AF4LQ" <olyellr@iglou.com>
- 79) [167029] Re: computer xtals ?
by "Leon Heller" <leon_heller@hotmail.com>
- 80) [167030] Re: monitoring nasa..
by "Charles W3KC" <w3kc@starpower.net>
- 81) [167031] Re: 1-chip radios again
by wa3rey@comcast.net
- 82) [167032] FOX: Technique, Technique, Technique
by "Marshall Emm" <mgemm@mtechnologies.com>
- 83) [167033] Re: Portable Radial Ideas?
by "Dennis Payton" <n9jxy@earthlink.net>
- 84) [167034] Re: monitoring nasa..
by "Howard Kraus" <K2UD@adelphia.net>
- 85) [167035] MAGS
by "Robert Seymour" <bobsey@ozarkisp.net>
- 86) [167036] Re: FYBO Reminder
by "Jim N0UR" <n0ur@comcast.net>
- 87) [167037] XG1 Receiver test
by Karl Larsen <k5di@zianet.com>
- 88) [167038] 80mtr beacon results, correct order
by "Mike Lyness, AF4LQ" <olyellr@iglou.com>
- 89) [167039] One more time...
by John Sielke <jsielke@pobox.com>
- 90) [167040] Re: FYBO Reminder
by "John Paul Keon" <jpkeon@nc.rr.com>
- 91) [167041] Re: PIC-EL

by Claudia & Reed Park <reedpark@nbnet.nb.ca>
92) [167042] Re: One more time...
by "Jerry Ford" <benlightnd13@mchsi.com>
93) [167043] Re: FOX: Technique, Technique, Technique
by "Tom Palmer" <n1tp@swfla.rr.com>

Date: Tue, 3 Feb 2004 18:51:31 -0600
From: "Gene Sailsbury" <gsailsbury@mobill1.net>
To: "Low Power" <qrp-l@Lehigh.EDU>
Subject: [166951] RE: Tenna Dipper Kit Update
Message-ID: <0bb901c3eab9\$0896dd60\$65c03fd8@n0mq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

We have all the parts in stock and will have the boards in by Thursday of this week. Hope to ship all the back orders Friday February 6. We have sold 2/3 of the next run of kits, so get your order in for yours if you have not done so. Thanks again for the great support for Ozarkcon. The URL for the Tenna Dipper Kit:
<http://4sqrp.com/kits/kits.htm>

72
Gene NOMQ

Date: Tue, 03 Feb 2004 20:25:08 -0500
From: David Willmore <willmore@optonline.net>
To: Steve.Lawrence@ITWFEG.COM
Cc: qrp-l@Lehigh.EDU
Subject: [166952] Re: Floating Point Libraries for PIC? Amtel?
Message-ID: <200402040125.i141P8P0019098@localhost.localdomain>
Content-transfer-encoding: 7BIT

> Hello!
> I'm contemplating a microprocessor based project that will potentially
> require some floating point math as part of the measurements taken.
>
> I'm also new to PIC and/or Amtel programming and may pick a platform based
> on the availability of...
>
> Are there floating point libraries available that one can link into a
> project to do common FP calculations: multiply, divide, square root,

> integer-to-real conversions, etc.?? The "best" libraries would be free.
>
> What's available?

For PIC, Microchip has application notes:
AN660 is Floating Point Math Function
which is sin() cos(), exp(), etc.
AN575 is IEEE 754 Compliant Floating Point Routines
which is add, sub, mul, div, etc.
AN670 is Floating Point to ASCII Conversion
which is obvious.

They're slow, take up a lot of program space, but little RAM.

Good luck.

Cheers,
David

Date: Tue, 3 Feb 2004 18:50:24 -0700 (MST)
From: Karl Larsen <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [166953] FOX: Truffle
Message-ID: <Pine.LNX.4.44.0402031848210.4720-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Jerry N0JRN in MO is at 7043.56 listening up and working guys
right and left. Get in there and warm up for the main event!

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Tue, 03 Feb 2004 20:03:30 -0600
From: Jeff Logullo <logullo@charter.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [166954] Re: PIC-EL #2 is here
Message-ID: <402052F2.2050805@charter.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Now John has two, while I still have none. No fair!

Still Waiting in Missouri,
NOMII

John wrote:

> George and the gang,
> The second PIC-EL arrived today. Strange that they got separated
> but they did.

Date: Tue, 3 Feb 2004 21:04:05 -0500 (EST)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
To: wb8zcc@fuse.net
Cc: qrp-1@lehigh.edu
Subject: [166955] Re: [166942] Re: 3T Toggle Switches
Message-ID: <200402040204.i14245g02973@panix1.panix.com>

Date: Tue, 3 Feb 2004 16:22:07 -0500
From: "Russ Hines" <wb8zcc@fuse.net>

Okay, I know it's early in the year, it's cold outside, the groundhog saw his shadow, and Carolina lost the Super Bowl. And, like most of us, I've been around the block once or twice, and as far as I know, have never been dropped on my head.

But I have NEVER seen a SP3T or a DP3T that WASN'T "off" in the middle position. Maybe someone makes some such thing, I don't know. My head may be full of snow and ice by now.

They're fairly rare, but exist. I have a few here that I'm using for mike control.

1 4
2 5
3 6

up- 2 and 3, 5 and 6 connected
center 2 and 3, 4 and 5 connected
down- 1 and 2, 4 and 5 connected

I DO know that in my part of the world, we call an ON-ON-ON 3T switch "A 3-position Selector Switch," and it's usually found in the rotary variety. These are everywhere. Perhaps even at Radio Shack. Use them. They work.

Toggle switches take less front panel space to operate, and sometime are more mnemonic. In my case, it's "mike off, mike on, mike on and PTT". It's MUCH easier to handle than two switches, or a rotary switch.

But, you know, there are stranger things in the world, so for all I know there exists a 12-position DP toggle switch.

Barry, good luck, bud. If you find your switch, please let us know.

All in good humor,

73,
Russ
WB8ZCC

73, doug

Date: Tue, 3 Feb 2004 20:08:32 -0600
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [166956] FOX: *QUICK* Twofer!!!
Message-ID: <0878DCA4-56B7-11D8-B561-000A957FF9F2@bolshoi.cc.misu.nodak.edu>
Mime-Version: 1.0 (Apple Message framework v553)
Content-Type: text/plain; charset=US-ASCII; format=flowed
Content-Transfer-Encoding: 7bit

Wow, that was fast! Got W0PWE first, couple mins. into the hunt. Only had to call about twice. He's holding court at 7036.3, up about 1. N1FN came next, spotted and worked in *one* shot. :-) 7041.5, up 1 if you want to phone home to ET. :-)

Both foxii doing well here, though Jerry has already started to drop up this way. ET is S9+. Better conditions than have been seen here in a *long* time! :-) Go get 'em!

72/73,

Todd, AG0T

Date: Tue, 3 Feb 2004 18:12:17 -0800 (PST)
From: Lloyd Lachow <llachow@yahoo.com>
To: a low-energy group <qrp-l@lehigh.edu>

Subject: [166957] FOX spots
Message-ID: <20040204021217.44814.qmail@web41012.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Both sound fine in MD - ET is on 7.041.5 working up
1-1.5 kHz, and Jerry working simplex on 7.036.2.

Get them peltii!!

=====

72 es oo, Lloyd, K3ESE - Reisterstown, Maryland FM19p1
KX1#11 - multiPIG+14 - K1#379 - 20/40M RockMites
Loop - EDZ - LW - Begali Magnetic Classic Paddles
ARRL - ARS - QRParci - QCWA - FISTS #8774
FPQRP #476 - QRP-L - BORG #2
Fun = Skill / Power ! 8^D

Do you Yahoo!?
Yahoo! SiteBuilder - Free web site building tool. Try it!
<http://webhosting.yahoo.com/ps/sb/>

Date: Tue, 3 Feb 2004 21:15:59 -0500
From: "Bob Schreibmaier" <k3ph@ptd.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [166958] Re: *QUICK* Twofer!!!
Message-ID: <003401c3eac4\$d46cde20\$6400a8c0@k3ph>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey Todd,

> Both foxii doing well here, though Jerry has already started to
> drop up this way. ET is S9+. Better conditions than have been seen
> here in a *long* time! :-) Go get 'em!

Yes, indeed. Both Foxii are running S9+ in the beautiful
Pocono Mountains of Eastern Pennsylvania. It's amazing
how much easier it is when signals are this good!

Oh yes... Hey, Lloyd. You beat me out! 8^)

72/73,

7 5 7 5 7 5 . . .

```
+-----+
| Bob Schreibmaier K3PH | E-mail: k3ph@ptd.net |
| Kresgeville, PA 18333 | http://www.dxis.org |
+-----+
```

Date: Tue, 03 Feb 2004 21:23:21 -0500
From: Al Scanandoah <k2zn@rochester.rr.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [166959] Re: FOX: *QUICK* Twofer!!!
Message-ID: <40205799.7000605@rochester.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Conditions are *significantly* better than they have been lately. Both Jerry and ET are solid S7, peaking better than S9.

It took one call to bag Jerry, two or three to nab ET; the hounds are baying loudly tonight!

Al, K2ZN

Date: Tue, 3 Feb 2004 18:26:25 -0800 (PST)
From: Lloyd Lachow <llachow@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [166960] Re: *QUICK* Twofer!!!
Message-ID: <20040204022625.88572.qmail@web41002.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Bob Schreibmaier <k3ph@ptd.net> wrote:

>Hey, Lloyd. You beat me out! 8^)

Well noted, Bob - it's a rare occurrence, indeed!

Bagged 'em both by 0206. Nice change from the way it's been!

LL

Do you Yahoo!?

Yahoo! SiteBuilder - Free web site building tool. Try it!

<http://webhosting.yahoo.com/ps/sb/>

Date: Tue, 3 Feb 2004 19:36:47 -0700 (MST)

From: Karl Larsen <k5di@zianet.com>

To: qrp-l@lehigh.edu

Subject: [166961] FOX: Three for 2 weeks in row!

Message-ID: <Pine.LNX.4.44.0402031931350.4720-1000000@bucket.dog>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Boy the band is in good shape tonight! Here in southern NM all three stations were strong and heard my rousing 5 watts to a vertical.

I tried for ET but he was working guys to the east and never heard me. So I ran off to find Jerry and he was there, a lot weaker than ET but called him once and he heard me!

So I ran back to ET and he must have moved his beam south because he was strong, 589 here. I called a few times and he heard me.

So the propagation has been good from here to the truffel, and both Foxes early in the hunt. Go GET EM!

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Tue, 3 Feb 2004 18:40:52 -0800

From: "Rich Johnson" <rjohnson390@comcast.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [166962] HP3400A

Message-ID: <004a01c3eac8\$4ea71f40\$2605ab43@END0EB86CD98A1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well i have purchased an eBay HP3400A RMS voltmeter. Very exciting for me. However when i got it, i find it needs a power cord with a funny end. That is instead of being square like all other power cord i have it is oval on the end that plugs into the HP3400A. I think it's an HP style power cord for their older equipment.

Any body know where i can get one?

cheers,
rich

Date: Tue, 3 Feb 2004 21:36:14 -0500
From: "Alan Fryer" <N3BJ@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [166963] Re: *QUICK* Twofer!!!
Message-ID: <Law9-0E277hZpgsnwk6000378fd@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Condx are just plain gud tonite. Call ur granny !

----- Original Message -----
From: "Lloyd Lachow" <llachow@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, February 03, 2004 9:26 PM
Subject: Re: *QUICK* Twofer!!!

> --- Bob Schreibmaier <k3ph@ptd.net> wrote:
>
> >Hey, Lloyd. You beat me out! 8^)
>
>
> Well noted, Bob - it's a rare occurrence, indeed!
>
> Bagged 'em both by 0206. Nice change from the way

> it's been!
>
> LL
>
>
> -----
> Do you Yahoo!?
> Yahoo! SiteBuilder - Free web site building tool. Try it!
> <http://webhosting.yahoo.com/ps/sb/>
>

Date: Tue, 3 Feb 2004 21:38:01 -0500
From: "Dennis Payton" <n9jxy@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [166964] Portable Radial Ideas?
Message-ID: <004501c3eac7\$ec8449f0\$982ba3d1@6300us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A few years ago, I helped Ade Weiss when he was developing his South Dakota Resonant Vertical, by playing "beta tester". I couldn't leave the antenna up between tests, so came up with a way to quickly deploy & retrieve the twelve 20' radials I was using. I soldered them all to a spade connector on one end, then tied each one to a nail on the other end. I made a holder out of a 6" x 8" piece of what I think is called corrugated PVC (stuff that is built like corrugated cardboard but is plastic), stuck the nails into the holes on one end, then wound up the radials.

To deploy them, I hook the connector to the base of the antenna, then back up while unwinding them. When I have them stretched out, I pull out the first nail, and stick it in the ground, then walk around the perimeter of the antenna, uniformly placing the radials. The process takes less than two minutes. I take them in by doing everything in reverse, and as long as I do everything exactly the same, forward & backwards, I don't have any tangles and it's a fast & smooth procedure.

To make it more portable, I'm trying to reduce the size of the assembly so that it fits in a shirt pocket. I'm using a smaller holder and thinner, Teflon-insulated wire, but so far the assembly isn't as trouble-free as I'd like, with the radials sometimes getting tangled.

Does anybody have any good ideas they'd like to share as to how they store and deploy radials? I'm wondering if after I get this system perfected, someone will point out a better and faster way!

Denny Payton
Auburn, IN

Date: Tue, 3 Feb 2004 21:42:06 -0500
From: "Tom Palmer" <n1tp@swfla.rr.com>
To: <qrp-1@Lehigh.EDU>
Subject: [166965] Re: FOX: *QUICK* Twofer!!!
Message-ID: <000301c3eac8\$7ac51140\$9b330843@swfla.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Bagged pelt from N1FN (ET in Colo.) at 0219 and
from
W0PWE (Jerry in Iowa) at 0230. Jerry was very
loud here -
near the Everglades - when the slow QSB was right.

Tom, N1TP
Naples, Florida

Date: Tue, 3 Feb 2004 18:43:00 -0800 (PST)
From: Bob KB2FEL <kb2fel@yahoo.com>
To: Low Power Amateur Radio <qrp-1@lehigh.edu>
Subject: [166966] 2 Fox pluss da truffle
Message-ID: <20040204024300.95545.qmail@web60505.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

It is so nice when the band work Hi
There is even time left to catch Law and Order Hi.

72
Bob
KB2FEL

Do you Yahoo!?
Yahoo! SiteBuilder - Free web site building tool. Try it!
<http://webhosting.yahoo.com/ps/sb/>

Date: Tue, 3 Feb 2004 21:47:57 -0500
From: "John Paul Keon" <jpkeon@nc.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [166967] Fw: AzScQRPions Paddles # 340
Message-ID: <012c01c3eac9\$4c7d1de0\$6601a8c0@nc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Subject: AzScQRPions Paddles # 340

Paddles are complete.

I have been very busy with my son's upcoming wedding
and finally got some free time to play.

I got them finished finally this afternoon after putting
on several coats of lacquer. I put it together in the
kitchen so I would have plenty of room. In addition, the
floor is white and clean. Little did I know that might be
a problem.

I got to the last step putting in the spring and got it in
just fine. Then, when I realized I had to take it out again,
to readjust the paddle arms I lost the spring. It shot into
the vent in the floor as best I can figure and is lost for the
time being. After hunting on the floor for about 1/2 an hour
and feeling really dumb, I decided to be a good marine
and adapt, overcome, and improvise.

Oh, well, rather than run to the store I decided to be
inventive, and did. I went upstairs and got into my stash of
ballpoint pens and took several apart and found just
what I wanted. Springs!

I cut one to what I thought would be the right length and
low and behold that is the new resident spring in my
new set of paddles. "Viagra special" spring. Since I get
them free from the drug reps all the time, I have a surplus
of them.

I used a little different cord for the connection to the radio and put it on the Sierra and tried her out. I made contact with KB4WKH in Tennessee and slowed down for him as he was on a J38 handkey. We had a long qso and I got to put my first qso with the new paddles in the book.

Now I am looking forward to operating with it for the remainder of the week and on Saturday to see if it will stand the test of cold in the FYBO contest.

The paddles work very well and I wish to thank all who participated in making the paddles. They are truly a work of art for the price. If I could just get them adjusted right; then, I will be very much satisfied.

I will figure out how to post pictures and include those later.

JohnPaul/AB4PP NNNOUTV // ARS 504, ALQRP 490, ARCI 8566,
ARQRP 209, LIQRP 33, NJQRP 120, NEQRP 617, Knightlites,
FP 724, SOC 403, FISTS 10261, SOWP 4759V, QCWA 31872,
GERATOL 2242, YLISSB 8308.

Date: Tue, 3 Feb 2004 21:48:38 -0500
From: "Brent Sutphin WB4X" <bsutphin@triad.rr.com>
To: <qrp-l@Lehigh.EDU>
Subject: [166968] Foxii
Message-ID: <008001c3eac9\$64161240\$9e6d1f18@BandE>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Things are finally looking up here in Carolina. At least a good night for the Fox's...got them both.

72
Brent WB4X

Date: Tue, 3 Feb 2004 21:51:21 -0500 (EST)

From: <n2go@arrl.net>
To: Rich Johnson <rjohnson390@comcast.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [166969] Re: HP3400A
Message-ID: <Pine.LNX.4.33.0402032146470.1054-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I recently picked up a HP 400EL. It was like new but it had the same type of ac jack. Rather than try to locate the rare HP plug, I decided to replace the ac jack.

If you have an old power supply from a computer, you can remove the ac jack from it.

Drill out the rivets that hold the HP jack in the meter. Use a ADEL nibbler to size the hole to mount the new ac jack. mount the jack with screws and reattach the transformer primary wires.

Now I use a standard ac cord that is used on computers.

My \$9.95 meter looks and works like new :)

73,

Jim n2go

On Tue, 3 Feb 2004, Rich Johnson wrote:

> Well i have purchased an eBay HP3400A RMS voltmeter. Very exciting for me.
> However when i got it, i find it needs a power cord with a funny end. That
> is instead of being square like all other power cord i have it is oval on
> the end that plugs into the HP3400A. I think it's an HP style power cord
> for their older equipment.

>
> Any body know where i can get one?

>
> cheers,
> rich

>
>
>

Date: Tue, 3 Feb 2004 21:08:04 -0600
From: "Tim, N9PUZ" <n9puz@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [166970] Re: Floating Point Libraries for PIC? Amtel?
Message-ID: <2004232184.762400@arthur>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: quoted-printable

On Tue, 03 Feb 2004 15:49:07 -0500, Steve Lawrence wrote:

> Are there floating point libraries available that one can link into
> a project to do common FP calculations: multiply, divide, square
> root, integer-to-real conversions, etc.?? The "best" libraries
> would be free.
>
> What's available?

The archives and web site for the PICLIST <<http://www.piclist.com>>
have libraries of all sorts for various PIC micros. I've done much
less with Atmel processors but I'm sure there are resources available
for them as well. Google is your friend.

Tim, N9PUZ

Date: Tue, 3 Feb 2004 21:11:23 -0600
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [166971] Another Twofer
Message-ID: <000701c3eacc\$91f9c8c0\$7238d90c@mchsi.com>

Well, it wasn't as easy here as in other places but I finally made
it. LOL
Tow pelts on the wall.

73 Jerry N0JRN
FP # 546, 4SQR, ARS # 923, ARCI # 11049, ARRL,
Springfield, Mo. MP + #8
<http://home.mchsi.com/~n0jrn>

Date: Tue, 03 Feb 2004 21:16:04 -0600
From: "Ronald W. Evans" <cosmos41@ix.netcom.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [166972] Dose Pesky Foxes

Message-ID: <402063F4.3090601@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Band condx weren't great here in Fort Worth, Texas, but they've been a lot worse many times! Snared Jerry at 0235 -- nice sig, easy copy -- but ET wasn't to be heard here until 0305 when he began banging in with a true 599+ with QSB. After I finally figured out ET was working simplex at that point, his pelt was in the bag in nothing flat...thanks to his skill -- not mine! Am still working with a dipole that needs to be up another 20 feet or so, and it never ceases to amaze me what the lil' K1 will do IN SPITE of my antenna. Fun night!

72 to all,

Ron - K5MVR

***** Ron Evans *****
K5MVR (ex-KD5S) - Loving the "glow" since 1957
Fort Worth, TX "Where the West Begins"
mailto:cosmos41@ix.netcom.com
<http://www.geocities.com/sweetvengeance>
ARRL, 4SQRP, ARS #1595, FP #694
<http://www.arsqrp.com>

Date: Tue, 3 Feb 2004 21:18:41 -0600
From: "George, W5YR" <w5yr@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [166973] Fox: Two Clean Sweeps!
Message-ID: <004e01c3eacd\$9874e9e0\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What a night! Good condx and two outstanding Foxii operators!

The NE-TX Tornados extended their lead by 10 more points with two Clean Sweeps, but expect most other teams did so as well.

And a Truffle for good measure!

<rant mode on>

If the zero-callsign station whose call ends in "rb" reads this, please do not sit on the Fox frequency and call him every time he takes calls when you should know he is not listening on frequency! <:{

At least you only called once each time . . .

<end of Miss Manners rant!>

73, George W5YR
w5yr@att.net

Date: Tue, 03 Feb 2004 15:32:09 -0600
From: Mark Milburn <mark.milburn@ispwest.com>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [166974] Iowa QRP Club CW Net
Message-ID: <40201359.3080503@ispwest.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

The Iowa QRP Club CW Net will be held on or around 3.709 Wednesday night
at 8 PM Iowa time, or Thursday morning 0200Z.

Join us if you can.

72 Mark KQ0I
Des Moines, Iowa

Date: Tue, 3 Feb 2004 22:55:32 -0500
From: "Lawrence Makoski" <Makos327@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [166975] FOX - WooooooooHoooooooo!

Message-ID: <00d901c3ead2\$bd54d130\$72f84b0c@larrysahyqy001>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Got home from my CERT class early enough to run down to the basement shack and get a Twofer!!! WooooHooooo!

Got Marshall at 0327 UTC and the Jerry at 0330 UTC.
Jerry, you were BOOMIN' into Central NJ. Definitely a 589 and when the little bit of QSB cleared, you were solid 599!

Thanks, guys, you made my day! (night)

73 de Larry W2LJ - Vivat Morse!

W2LJ@arrl.net
<http://www.qsl.net/w2lj>

ARRL Lifemember QRP ARCI #4488 NJQRP #47
FISTS #1469 QRP-L #778 FP #612 QRPp-I #759
ARS #1528 --- K1 #1647 --- AmQRP, CQC #746

Date: Tue, 3 Feb 2004 21:59:35 -0600
From: "Lew Paceley" <lew@paceley.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: <n9jxy@earthlink.net>
Subject: [166976] Re: Portable Radial Ideas?
Message-ID: <006a01c3ead3\$4e96a380\$6501a8c0@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Denny,
I'm no expert on radials but I have noticed that the probability of a tangle goes up with the square of the number of radials! I split my 8 radials among two spade lugs to decrease the probability of a tangle. It seems to help.

Good luck!

72/73,

Lew
N5ZE

Date: Tue, 03 Feb 2004 23:01:38 -0500
From: Gary Lee <kb9zuv@arrl.net>
To: qrp-1@lehigh.edu
Subject: [166977] foxi
Message-ID: <5.2.0.9.2.20040203230052.00a8cba0@pop.ameritech.yahoo.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Bagged Marshal around 03:40. Never heard Jerry here in east central indiana.

Date: Tue, 03 Feb 2004 23:01:05 -0500
From: sergio <sergio@village-buzz.com>
To: qrp-1@Lehigh.EDU
Subject: [166978] holy qrp, foxman!
Message-ID: <6.0.1.1.2.20040203224618.01edb488@mail.neobright.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

just gloating!

got my very first fox!!

i heard ET..N1FN calling around 7041.8.. or somewhere in there..

so i tried to figure out how to work split...

when i heard him land someone.. i tuned around right quick, to see where they were transmitting.. i couldn't hear the other end, no matter where i tuned... i had rit in hand, and was ready to do this following..

when i heard the other end of the qso... i was going to tune to where they were transmitting, then tune rit back to where the fox was sending...

at around 1045.. i decided to try and answer back simplex (or whatever you call non-split..) and what do you know! he called me back..

i had this little card with the exchange all set up and ready to go.. but when i heard my call come back.. my mind went blank and i lost the dang card!!!

so... i sent my exchange as best as i could remember it, and he said hi back! pretty sweet....

my first fox!

peace,
...sergio
photographer, journalist, visionary

www.village-buzz.com <- read my blog
www.coffee-black.com <- my photography

Date: Tue, 03 Feb 2004 22:05:15 -0600
From: Ted Kell <tedkell@ev1.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
buydens@duke.usask.ca
Subject: [166979] Re: OT Soldering Aluminum
Message-ID: <FC4XVKGNMA5KEOD9TPNLKGKYXC8YS.40206f7b@sweetie>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

You might want to check <www.solder-it.com>. He used to demo at the Dallas Hamcom. He could solder a nail to a coke can. Some kind of special gunk (That's a technical term) he smeared on the can worked real well. That and his other product called "Screw It" were kind of neat if you needed them.

Ted

2/3/04 4:15:24 PM, "Brian.Buydens@usask.ca" <buydens@duke.usask.ca> wrote:

>This is off-topic so I will try to be brief (and please delete if you are
>not interested...)

>

>I am looking to solder aluminum (more specifically a radiator). Do any of
>you soldering experts know of a technique. I was thinking of trying
>silver solder and coating the affected areas in oil before soldering. My
>hope is that I will be able to get the solder on before the oil boils away
>and the aluminum oxidizes.

>

>Is there a better way to do this?
>
>(BTW there is a tie-in with ham radio. Currently I am spending my spare
>time fixing my car when I would rather be doing the Elmer 160 course ;-)
>so the quicker I get this sorted out...)
>
>Thanks.
>
>
>Brian Buydens
>Veterinary Electronic Data Specialist
>Computing Services, University of Saskatchewan
>email: Brian.Buydens@usask.ca
><http://duke.usask.ca/~buydens>
>VE5RDV
>
>-----
>I am a proud citizen of "Soviet Canuckistan"
>
>
>
>
>
>
>

Date: Tue, 3 Feb 2004 21:30:05 -0700
From: John D McDougall <jdmcdougall@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [166980] Elmer 160: PIC-EL
Message-ID: <20040203.213006.-582245.0.jdmcdougall@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I still haven't received my PIC-EL here in Montana. Am I the only one or
are there others that have not received theirs. My name was listed in
the first shipment run
John

Date: Tue, 3 Feb 2004 22:56:03 -0600 (CST)

From: Dale Botkin <dale@botkin.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [166981] Re: holy qrp, foxman!
Message-ID: <Pine.LNX.4.33.0402032223560.21753-100000@madmax.botkin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 3 Feb 2004, sergio wrote:

> got my very first fox!!

Me too -- unintentionally... 8-)

> i had this little card with the exchange all set up and ready to go.. but
> when i heard my call come back.. my mind went blank and i lost the dang card!!!

Two words: Memory keyer. 8-) No, I didn't have mine set up either!

> so... i sent my exchange as best as i could remember it, and he said hi
> back! pretty sweet....

Heh... I have paid like zero attention to the fox hunts, since I'm virtually never able to actually sit down and operate at a planned time any more. So I hear Marshall calling CQ FOX, figure I'll just pop in and say howdy. The guys slows WAY down for me (14-15 WPM) and walks me through the exchange. What a pro. Fortunately it was like 0359 when I called, so at least I wasn't tying him up from working people who were TRYING to find him!

Maybe I'll try to actually schedule time to make an effort next week...

72,
Dale - n0xas
--

It's a thankless job, but I've got a lot of Karma to burn off.
The NEW Super PicoKeyer offers speed control by pot OR menu!
Check <http://www.hamgadgets.com> for news.

Date: Tue, 3 Feb 2004 21:55:45 -0700
From: "John Stevens" <jwstevens@concentric.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [166982] FYBO Reminder
Message-ID: <000301c3eadb\$271daee0\$0201a8c0@k5js.net>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All!

Just a reminder that FYBO is coming up this Saturday at 1600Z. Hope to see you all on the air from your nice warm blocks of ice. Please be careful if you are planning to be outdoors in the real frozen lands. One more scoring note. If you have ordered the Arizona ScQRPion paddles and have not received them, add the bonus points in anyway. Just note that you have them on order. Look for NQ7RP on multiple frequencies to get the 10,000 point bonus for working the club station.

Good Luck! Hope everyone stays safe and has fun! Oh. The next 100 paddles are scheduled for shipping sometime next week. Stuffing envelopes as we speak...

73 john k5js
Az ScQRPions

Date: Wed, 4 Feb 2004 05:04:23 -0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: <buydens@duke.usask.ca>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [166983] Re: OT Soldering Aluminum
Message-ID: <BAY12-DAV14QEltPbY300019f72@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, February 03, 2004 10:15 PM
Subject: OT Soldering Aluminum

> This is off-topic so I will try to be brief (and please delete if you are
> not interested...)
>
> I am looking to solder aluminum (more specifically a radiator). Do any of
> you soldering experts know of a technique. I was thinking of trying
> silver solder and coating the affected areas in oil before soldering. My

> hope is that I will be able to get the solder on before the oil boils away
> and the aluminum oxidizes.
>
> Is there a better way to do this?

That is one of the standard techniques, you actually need a pool of oil if you can manage it. Once the aluminium is tinned, I think you can manage without the oil.

Also, Multicore makes an aluminium solder.

73, Leon

--

Leon Heller, G1HSM

Email: aqzfl3@dsl.pipex.com

My low-cost Philips LPC210x ARM development system:

http://www.geocities.com/leon_heller/lpc2104.html

Date: Wed, 4 Feb 2004 00:09:32 -0500
From: "George Heron N2APB" <n2apb@clearviewcatv.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [166984] Re: Elmer 160: Minimum Clearance for DDS Daughtercard
Message-ID: <00a501c3eadd\$15bebe80\$6400a8c0@n2apb1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

3/8" high will do the trick, giving the oscillator can and caps enough clearance to keep the board parallel to the main board.

But be careful that it's not a "machined pin" IC socket. The P1 connector of the DDS Daughtercard will not fit into these machined pin sockets. Best to use the "bifurcated leaf" type of socket.

73, George N2APB

Date: Wed, 4 Feb 2004 00:30:59 EST
From: ARDUJENSKI@aol.com
To: n9jxy@earthlink.net, qrp-l@lehigh.edu
Subject: [166985] Re: Portable Radial Ideas?
Message-ID: <20.21b0f0fe.2d51dd93@aol.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Note that there is a difference regarding radials if laid on the ground or if elevated. You can get effective system elevating the base 0.05wl and radials 0.15 wl and you only need 3-4. This was discussed in a paper by Ralph Holland. I have tried it this way and it does work effectively.

<http://www.arising.com.au/people/Holland/Ralph/ShortVert.htm>

If you lay the radials on the ground then you go back to about 12-16 1/8wl radials needed

Rather than standard connectors I have borrowed the St. Louis Vertical concept which uses fishing swivels

Elevated radials using strands from ribbon cable and you can get your pocket system. To minimize tangling I would recommend keeping ribbon about 4 strands per radial and they will roll up neatly

Alan KB7MBI in Woodinville, WA
FISTS 5702 / ARS / Proud member of ARRL
___ ___ ___ ___ DIT DIT

Date: Tue, 3 Feb 2004 23:58:14 -0600
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-l" <qrp-l@lehigh.edu>, "FPigs" <fpqrp-l@mpna.com>
Subject: [166986] Prelim Truffle log
Message-ID: <000701c3eae3\$e1731fc0\$7238d90c@mchsi.com>

Here you are folks:

If I missed ya I'm sure sorry. Condx's were just not that good here tonight. I know there were a few of you that I couldn't pick out of the noise. Maybe next week will be better. I on the schedule as your Truffle for next week also so we'll give it another shot and see how it goes.

Your Log:

N5ZE	559	TX	LEW	575
N9NE	559	WI	TODD	5W
K5DI	559	NM	CARL	5W
WA8CDU	559	MI	BILL	5W

K4BYF	549	FL	JACK	191
KB9YIG	559	IN	TONY	2W
N0TK	559	CO	DAN	5W
WA8BXN	559	OH	MIKE	624
N3BJ	559	VA	ALAN	5W
KB2FEL	549	WV	BOB	726
W5YR	559	TX	GEORGE	5W
K8MIA	559	WV	JIM	408
K5SR	559	TX	DALE	5W
K8KFJ	559	WV	GARY	702
K5JHP	559	TX	BILL	737
K3ESE	559	MD	LLOYD	476
W5TB	559	TX	DOC	128
N1TP	559	FL	TOM	368

Add both pelts to the count and it wasn't a bad night overall !!

I hope everyone had a great time in the hunts tonight. See ya next week !!!

oo Jerry N0JRN
 FP # 546, 4SQRP, ARS # 923, ARCI # 11049, ARRL,
 Springfield, Mo. MP + #8
<http://home.mchsi.com/~n0jrn>

 Date: Wed, 4 Feb 2004 01:06:29 EST
 From: ARDUJENSKI@aol.com
 To: qrp-1@lehigh.edu
 Subject: [166987] Re: Portable Radial Ideas? (Clarification)
 Message-ID: <46.4607e2e5.2d51e5e5@aol.com>
 MIME-Version: 1.0
 Content-Type: text/plain; charset="US-ASCII"
 Content-Transfer-Encoding: 7bit

I wanted to clarify my previous post

 You can get effective system elevating the base 0.05wl and radials
 0.15 wl and you only need 3-4.

 The base of the antenna is elevated 0.05wl and the radials are 0.15wl long. I
 have run the radials from the base of the antenna to about 6 inches above
 ground at the ends

Sorry for the confusion

Alan KB7MBI in Woodinville, WA
FISTS 5702 / ARS / Proud member of ARRL
--- --- --- --- DIT DIT

Date: Wed, 04 Feb 2004 01:40:56 -0500
From: Mark Pilant <n1vqw@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [166988] HP Power cord - was: HP3400A
Message-ID: <402093F8.5070200@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Or, if you don't want to drill and nibble..

These cords are still being manufactured by Volex and are available new from Mouser, Allied and Newark; usually for less than \$7.00 each. There are two types that will fit: a 17952 and a 17280. The only difference is the line and neutral are swapped. The center is still ground. I can't remember exactly which was used by HP, but I believe it was the 17952.

- Mark

Date: Wed, 04 Feb 2004 00:28:09 -0700
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: QRP-L@lehigh.edu
Subject: [166989] Post-action report
Message-ID: <40203C99.5800.32EC9C6@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

I'm back in my foxhole, safe and sound, despite a couple of hours of dodging bullets. About 115 had my name on 'em, too.

Conditions were great for the first 50 minutes or so, but then the usual 40M blahs settled in-- could actually hear the noise level rising and falling as the band tried to go long. But as predicted, it couldn't make up its mind one way or the other and there were brief periods of good propagation to most of

the country. More than once I would dig out an S2-3 signal only to have him come back at S5-7 with his exchange. And a couple of times a signal faded in or out that much during the course of the exchange!

Very fortunate to be in a position to give a couple of guys their first pelt. One I won't mention by name because I'm not positive it was his first, but the second was with Dale, N0XAS, at literally the last gasp. The logged contact time is when the QSO starts, which happened to be about 10 seconds before the end. Dale told me he wasn't in the hunt, but wanted to say hello. I treated it as an ordinary QSO, sent my info, got the same in return, and then had a nice little chat. When I told him he was in the log, he thanked me for his first pelt and said he might even try again. Sure hope he does. Pleasant and fitting end to the evening's entertainment.

I log on paper, so it might be a couple days before I can get the log typed up, but a big Thank You to all the hounds.. good luck in the remaining hunts!

73
ET
--

73
Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express and Oak Hills Research
"Everything for the Morse Enthusiast"
<http://www.MorseX.com>
<http://www.ohr.com>
(303)752-3382
--

Date: Wed, 04 Feb 2004 03:05:05 -0500
From: Ed Tanton <n4xy@earthlink.net>
To: noga <nogaqrp@mailman.qth.net>, QRP-L <qrp-l@lehigh.edu>
Subject: [166990] OT: Interesting Website: Imagine The Universe
Message-ID: <6.0.1.1.2.20040204025717.01e3ee78@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Another very interesting website for ages 14-and-up created by the Laboratory for High Energy Astrophysics at NASA's Goddard Space Flight Center. Intended to be both informative and stimulating, the description

says it best: "A glimpse into the mysteries of our universe, what we know about it; how it's evolving; and the kinds of objects it contains."

I would call it a physics-oriented astronomical website. It contains both pictures and explanations; and is just the thing to answer all those questions a teenager interested in astronomy-and the physics behind it-might ask. The URL is: <<http://imagine.gsfc.nasa.gov/index.html>>

72/73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".
--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."
--Mark Twain

Date: Wed, 04 Feb 2004 06:18:11 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-l@lehigh.edu
Subject: [166991] Beacon Rpt. 80 Mtrs 31 Jan '04
Message-ID: <3.0.2.32.20040204061811.008bebe0@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Beacon report for Saturday 31 Jan, '04 -- 0200 to 0500 UTC Sun.

Many thanks to all who took the time to listen and send along a report. Results were quite interesting. Quite a variety of equipment used by the receiving stations. I may try to do a cut and paste to compile the soapbox comments. If so, I'll post it later.

Equipment used:

FT-857 at 4 W output to z-match tuner and Butternut HF-9V vertical

Keyer -- K1EL - K-10 in beacon mode.

VVV DE W5USJ/B EM22CV BCN FUN ON 80 72 AR [10 second delay -- repeat]

UTC

0200, Max, K0MAX, 5/3, EN34jw, Minneapolis, MN
0205, Sandy, KB3E0F, 3/3, FN19jk, Middletown, MD
0219, Jay, J4AY, 5/7, EM50vp, Mobile, AL
0239, Nick, WA5BDU, 2/3, EM35zz, Russellville, AR
0240, Al, K2ZN, 4/4, FN13ec, Rochester, NY
0241, Lloyd, K3ESE, 5/5, FM19pl, Reisterstown, MD
0312, Gary, KB9ZUV, 3/3, EN70zz, Muncie, IN
0322, Lloyd, K3ESE, 4/4, FM19pl, Reisterstown, MD
0330, Mark, KA6WKE/M, 5/2, DM12vn, Agua Caliente, CA
0353, Dean, KH6B, 1/1, BK29kp, Hilo, HI
0400, Lloyd, K3ESE, 4/4, FM19pl, Reisterstown, MD
0400, Max, K0MAX, 5/3, EN34jw, Minneapolis, MN
0420, Greg, AK7Y, 5/3 QSB, DM54hm, Alpine, AZ
0430, Mark, KA6WKE/M, 5/2, DM12vn, Agua Caliente, CA
0430, Mike, AF4LQ, 5/5, EM78ce, Louisville, KY

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, FP #601 oo <http://www.netxqrp.org>

Date: Wed, 4 Feb 2004 07:31:25 -0500

From: john.harper@faa.gov

To: qrp-l@lehigh.edu

Subject: [166992] FYBO from High Point, NJ - anyone...anyone...?

Message-ID: <0F25E895EE.68F8C532-ON85256E30.0044CB44-85256E30.0044CB5C@faa.gov>

MIME-Version: 1.0

Content-type: text/plain; charset=us-ascii

Morning,

I was thinking of heading up to High Point on the NJ-NY-PA border for the FYBO contest and was wondering if any QRPers in the area would like to

operate with me in the multi-station category? If so, please reply offline to:

john@ae5x.com

73,

John Harper AE5X
Outdoor QRP & 80m DXing: <http://www.ae5x.com>

Date: Wed, 4 Feb 2004 05:51:19 -0700 (MST)
From: Karl Larsen <k5di@zianet.com>
To: "George, W5YR" <w5yr@att.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [166993] Re: Fox: Two Clean Sweeps!
Message-ID: <Pine.LNX.4.44.0402040541090.5285-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 3 Feb 2004, George, W5YR wrote:

> What a night! Good condx and two outstanding Foxii operators!
>
> <rant mode on>
>
> If the zero-callsign station whose call ends in "rb" reads this, please do
> not sit on the Fox frequency and call him every time he takes calls when
> you should know he is not listening on frequency! <:{
>
> At least you only called once each time . . .
>
> <end of Miss Manners rant!>
>

This is a common thing. Not just one station but several
sometimes calling and not just once. Sometimes it's ME because I forgot
to press the button that makes me transmit on vfo B. It happens so often
that the fox stations send the call AGAIN at the end so maybe you can
hear your call sign then.

We live in an imperfect world. But it's fun and next Tuesday I
get to play fox. Think I will fire up my koch and get my own cw copy
honed up so I can work all those north Texas guys.

> 73, George W5YR
> w5yr@att.net
>
>
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Wed, 4 Feb 2004 05:41:00 -0800 (PST)
From: Barry N1EU <n1eu@yahoo.com>
To: qrp-1@lehigh.edu
Subject: [166994] Re: [166942] Re: 3T Toggle Switches
Message-ID: <20040204134100.71485.qmail@web13202.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Thanks Russ - that's the first explanation I've seen
on how the n-1 set of terminals actually get connected
on these "3T" toggle switches.

73,
Barry N1EU

WB8ZCC wrote: "But I have NEVER seen a SP3T or a DP3T
that WASN'T "off" in the middle position. Maybe
someone makes some such thing, I don't know. My head
may be full of snow and ice by now.

They're fairly rare, but exist. I have a few here
that I'm using for mike control.

1 4
2 5
3 6

up- 2 and 3, 5 and 6 connected
center 2 and 3, 4 and 5 connected
down- 1 and 2, 4 and 5 connected"

Do you Yahoo!?

Yahoo! SiteBuilder - Free web site building tool. Try it!

<http://webhosting.yahoo.com/ps/sb/>

Date: Wed, 04 Feb 2004 08:56:39 -0500

From: Lee Mairs <lairs@direcway.com>

To: qrp1 <qrp-1@Lehigh.EDU>

Subject: [166995] Re: Portable Radial Ideas?

Message-ID: <001101c3eb26\$d5624e20\$6702a8c0@J4>

MIME-version: 1.0

Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

Hi Denny -

I like the system you used with Ade Weiss, but I've never heard of
corrugated PVC. Can you provide anymore information on this?

73 de Lee

KM4YY/8

----- Original Message -----

From: "Dennis Payton" <n9jxy@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Tuesday, February 03, 2004 9:38 PM

Subject: Portable Radial Ideas?

> A few years ago, I helped Ade Weiss when he was developing his South
Dakota
> Resonant Vertical, by playing "beta tester". I couldn't leave the antenna
up
> between tests, so came up with a way to quickly deploy & retrieve the
twelve
> 20' radials I was using. I soldered them all to a spade connector on one
> end, then tied each one to a nail on the other end. I made a holder out of
a
> 6" x 8" piece of what I think is called corrugated PVC (stuff that is
built
> like corrugated cardboard but is plastic), stuck the nails into the holes
on
> one end, then wound up the radials.
>
> To deploy them, I hook the connector to the base of the antenna, then back
> up while unwinding them. When I have them stretched out, I pull out the

> first nail, and stick it in the ground, then walk around the perimeter of
> the antenna, uniformly placing the radials. The process takes less than
two
> minutes. I take them in by doing everything in reverse, and as long as I
do
> everything exactly the same, forward & backwards, I don't have any tangles
> and it's a fast & smooth procedure.
>
> To make it more portable, I'm trying to reduce the size of the assembly so
> that it fits in a shirt pocket. I'm using a smaller holder and thinner,
> Teflon-insulated wire, but so far the assembly isn't as trouble-free as
I'd
> like, with the radials sometimes getting tangled.
>
> Does anybody have any good ideas they'd like to share as to how they store
> and deploy radials? I'm wondering if after I get this system perfected,
> someone will point out a better and faster way!
>
> Denny Payton
> Auburn, IN
>
>
>

Date: Wed, 4 Feb 2004 07:10:28 -0700
From: "Bill Walker" <wv7g@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [166996] Beacons on 80, report for 01/31/2004
Message-ID: <002e01c3eb28\$a4864cf0\$0a0110ac@pluto>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Here are the reports for my 80 meter beacon run on Saturday night.
The results were not nearly as good as last month but it's still fun to do.
I will be back next month for another go.
Thanks to all who reported hearing the beacon as well as those who tried.

UTC, Call, R/S, Name, Grid
0218, KA6WKE/M, 58, Mark, DM12vn
0227, AJ4AY, 33, Jay, EM50vp
0258, K4JPN, 12, Steve, EM82ep
0330, KA6WKE/M, 59, Mark, DM12vn
0345, KH6B, 22, Dean, BK29kp

0352, KH6B, 33, Dean, BK29kp
0422, AK7Y, 56, Greg, DM54hm
0430, KA6WKE/M, 57, Mark, DM12vn

Bill Walker - WV7G

Date: Wed, 04 Feb 2004 09:11:24 -0500
From: John Sielke <jsielke@pobox.com>
To: qrp-l@lehigh.edu
Subject: [166997] Question
Message-ID: <4020FD8C.3030904@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

I see on the AmQRP website that Issue 2 of the Homebrewer was in the mail as of January 31, so surely SOMEBODY has received a copy. What I wanted to ask is if the QRP 2003 Results are in there?

John W2AGN

Date: Wed, 04 Feb 2004 08:29:18 -0600
From: John Oppenheimer <john@KN5L.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [166998] Re: FOX - WooooooooHooooooooo!
Message-ID: <402101BE.1030403@KN5L.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yes, a great night for a Fox Hunt, bagged both, took a little time to nab Jerry, about 0220, but ET took my first call. It took a little time to find ET's split frequency because it was nested between two Qs. Superb operators, the contacts flowed smoothly. Both had FB signals in central TX.

The newly installed OLD Butternut vertical really makes a difference with my Icom IC-703.

John

Date: Wed, 4 Feb 2004 09:30:20 -0500
From: Brian <brian@iquest.net>
To: "" <jsielke@pobox.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [166999] Re: Question
Message-ID: <1075905020.402101fc44e2f@webmail.iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

John,

The website has the Table of Contents listed...and I don't see the results. To answer your other question, no. I don't have my copy of #2 yet.

There is something called QRP Contesting, listed on the cover of the issue, but it doesn't say anymore than that.

72

Quoting John Sielke <jsielke@pobox.com>:

> I see on the AmQRP website that Issue 2 of the Homebrewer was in the
> mail as of January 31, so surely SOMEBODY has received a copy. What I
> wanted to ask is if the QRP 2003 Results are in there?
>
> John W2AGN
>

Date: Wed, 4 Feb 2004 08:54:59 -0600
From: "rattray" <rattray@accesscomm.ca>
To: <jdmcdougall@juno.com>, "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [167000] RE: Elmer 160: PIC-EL
Message-ID: <000c01c3eb2e\$df5b6e40\$7900a8c0@Bonnie>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Nothing here yet - 72 - Bruce ve5rc/ve5qrp

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of John D McDougall

Sent: Tuesday, February 03, 2004 10:30 PM

To: Low Power Amateur Radio Discussion

Subject: Elmer 160: PIC-EL

I still haven't received my PIC-EL here in Montana. Am I the only one or are there others that have not received theirs. My name was listed in the first shipment run
John

Date: Wed, 04 Feb 2004 15:06:11 -0800

From: Mike M0BST <m0bst@hotpop.com>

To: qrp-1@lehigh.edu

Subject: [167001] Help-what on earth is going on??

Message-ID: <40217AE3.7CF1@hotpop.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi all,

Can someone please explain what's going on here? I've built a small TXR for 40M. RX and TX both seem to work fine, until I've messed with the transmit/receive changeover that is.

RX front end is a conventional NE612, both inputs are fed from the secondary winding of the second bandpass filter inductor. TX side again nothing unique. NPN to a simple 3 pole low pass filter.

The antenna feed for RX is tapped of the start of the LPF -after- the 100n cap from, i.e. junction of 470pf to gnd and 1.2 uH torroid. it goes via a series tuned changeover circuit, 50pf and 10uH choke to input of RX BPF (with series back to back diodes in between) I've used a 120pf trimmer at moment just to set it up. This is totally conventional and these values are even used in solid state design/and Experimental Methods...

But I noticed straight away that when switching the antenna input between the ant end of the low pass filter and directly to input of RX

BPF there was noticeable signal loss. Hmmm...I've used this before with zero signal loss. Whats more if I feed the antenna in at the start of the capacitor/inductor changeover the signals dramatically weaker still. In other words it seems to need the LPF somewhat. I tried adjusting the trimmer and straight away came the the conclusion that the changeover and maybe LPF is detuning the RX BPF. In fact if I break the connection between the LPF and changeover and connect antenna to RX input I can still peak the signal using the changeover trimmer. OK changeover is affecting the RX BPF, that sort of makes sense. However the one thing I can't do is with the antenna coming into the LPF is adjust the trimmer for zero insertion loss.

Have I explained this adequately? probably too much maybe!. But can someone might be happening here? I've this before on a earlier rig and zero problems!

Thanks, 72
Mike M0BST

Date: Wed, 4 Feb 2004 10:11:18 EST
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [167002] Re: Portable Radial Ideas? (Multiband and resonance)
Message-ID: <17e.25ee3877.2d526596@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I was asked a few questions and thought I would share one response...Alan KB7MBI

QUESTION POSED:

If you change bands do you have to change all the lengths
or can you go say with the 40 meter lengths and use them for all higher
freq's?

RESPONSE:

Theoretically you need to change them for each band. I have run speaker wire with one wire cut for 40 and one 20m and 15 worked fine with the 40m ones. Once you elevate them you get into resonance and on the ground all that goes out the window.

Now if you had a 33ft mast with 33ft radials you can get by with one set for 40, 20, and 15m. Reason is on 20m you have a $1/2\lambda$ antenna and the radials

play a small role and losses are low and the 15m works off the 40m radials.

Where you get into a problem is with non resonant verticals used multiband and then you have to deal with resonant radials if elevated. Resonance is not really a simple matter of $234/f$. The closer you are to the ground the coupling has a noticeable affect on resonance. Much like a dipole. For example a dipole located a few feet above the ground will resonant at a much lower frequency due to the coupling affect.

Date: Wed, 04 Feb 2004 10:14:10 -0500
From: michael harnage <michael.e.harnage@boeing.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [167003] Re: holy qrp, foxman!
Message-ID: <40210C42.6080200@boeing.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

I second that motion. Marshall has a nice rythm when he does the fox hunts. Easy to follow even when low in the noise as he was to me last night. I listened to him for 30 minutes before I actually called him, just sweet music to my ears.

73,
mike/ko1m

Dale Botkin wrote:

> On Tue, 3 Feb 2004, sergio wrote:
>
> So I hear Marshall calling CQ FOX, figure I'll just pop in and
> say howdy. The guys slows WAY down for me (14-15 WPM) and walks me
> through the exchange. What a pro.

Date: Wed, 04 Feb 2004 10:29:21 -0500
From: John Sielke <jsielke@pobox.com>
To: qrp-l@lehigh.edu
Subject: [167004] Re: Question
Message-ID: <40210FD1.80103@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Thanks for the replies. It looks like the ONLY folks who have received

it are 2 "G" stations! Must be true what they say about Her Majesty's Post! Anyway, QRPTTF 2003 is not in there so my question is answered.

Wonder what happened to the USPS?

John W2AGN

Date: Wed, 4 Feb 2004 07:40:31 -0800
From: "Jerry Bartachek" <KD0CA@praisesscribe.com>
To: "QRP-L Post Msg" <QRP-L@1EHIGH.edu>
Subject: [167005] PSK31 On 30 Meters
Message-ID: <200402040740.AA120127692@praisesscribe.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

For you folks who like to use 30 meters for CW , and also do enjoy PSK, I have an idea. I have tried for quite a while to convince others to use 30 M for PSK, but they have trouble with the Pactor and other automated stations around 10140 - 10150 KHZ. True indeed as it is a mess there!

But today I ran into VE9DX just above 10130 KHz on PSK. We had a very nice chat with no QRM at all. Andy and I agree that if more hams would use PSK setting their rigs on 10130 KHz USB, we would be able to carve out a niche for ourselves.

30 M is fun and you never know just how near or far away you will make a contact. It is a great place to go when 20 M is wall-to-wall PSK.

Will ya see me there sometime?

72,
Jerry L. Bartachek KD0CA
Washington, IA

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Date: Wed, 4 Feb 2004 10:36:07 -0500
From: "kennymac" <killmodell@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [167006] Re: PIC-EL #2 is here
Message-ID: <001a01c3eb34\$9bb12350\$9b48b783@utad.utoledo.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Still waiting in Michigan too :(

Ken
KC8YYC

----- Original Message -----
From: "Jeff Logullo" <logullo@charter.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, February 03, 2004 9:03 PM
Subject: Re: PIC-EL #2 is here

> Now John has two, while I still have none. No fair!
>
> Still Waiting in Missouri,
> NOMII
>
> John wrote:
> > George and the gang,
> > The second PIC-EL arrived today. Strange that they got
separated
> > but they did.

Date: Wed, 04 Feb 2004 09:52:41 -0600
From: "Jerry Hall" <lugehall@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [167007] Re: Portable Radial Ideas?
Message-ID: <BAY9-F70Ky43JstXtG4000725ba@hotmail.com>
Mime-Version: 1.0

Content-Type: text/plain; format=flowed

>To make it more portable, I'm trying to reduce the size of the assembly so
>that it fits in a shirt pocket. I'm using a smaller holder and thinner,
>Teflon-insulated wire, but so far the assembly isn't as trouble-free as I'd
>like, with the radials sometimes getting tangled

If the wire is small diameter and not too long you might be able to use something like the device in my tackle box that keeps all my Lindy Rigs separate and organized. Some are even hollow and have a cap that comes off the end so you can store stuff like your nails inside.

Go to www.cabelas.com and look under Fishing and then Tackle Binders/Utility Boxes. You will see various spinner holders and tackle tamers.

72,
Jerry - WOPWE

Learn how to choose, serve, and enjoy wine at Wine @ MSN.
<http://wine.msn.com/>

Date: Wed, 4 Feb 2004 07:58:36 -0800 (PST)
From: Lloyd Lachow <llachow@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [167008] Re: holy qrp, foxman!
Message-ID: <20040204155836.82217.qmail@web41010.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Dale Botkin <dale@botkin.org> wrote:
So I hear Marshall calling CQ FOX, figure
> I'll just pop in and
> say howdy. The guys slows WAY down for me (14-15
> WPM) and walks me
> through the exchange. What a pro. Fortunately it
> was like 0359 when I
> called, so at least I wasn't tying him up from
> working people who were
> TRYING to find him!

It was actually 0359:55, give or take a second.
Nice pelt-snap, Dale! And it was lovely to hear

Marshall relax, slow down, have a nice QSO with you
while getting the required exchange.

LL

Do you Yahoo!?
Yahoo! SiteBuilder - Free web site building tool. Try it!
<http://webhosting.yahoo.com/ps/sb/>

Date: Wed, 4 Feb 2004 11:02:12 -0500
From: "Noyce, Bill" <william.noyce@hp.com>
To: <qrp-l@Lehigh.EDU>
Subject: [167009] Re: Help-what on earth is going on??
Message-ID:
<6D6463F31027B14FB3B1FB094F2C7447047DA069@tayexc17.americas.cpqcorp.net>
Content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

I'm not sure I understand your problem description, but
does this note from W7ZOI on "Incidental Tuned Circuit"
describe your situation?
<<http://users.easystreet.com/w7zoi/imtc.html>>

-- Bill, AB1AV

Date: Wed, 04 Feb 2004 10:11:33 -0600
From: John Oppenheimer <john@KN5L.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [167010] Re: Portable Radial Ideas? (Multiband and resonance)
Message-ID: <402119B5.2060002@KN5L.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Discussion, not much theory.

I have been thinking about verticals and radials lately. I came to a
profound discovery, very basic, but just never thought of it this way. A
quarter wavelength of wire in space has a feed impedance of 35 ohms. The
supporting ideas that allowed me to figure this out, is the textbook

impedance of a matched 1/4 wave vertical, 35 ohms, and multiplied by two, the textbook impedance of a dipole 70 ohms.

So each free space radial must have an impedance of 35 ohms. With one radial, the antenna is probably just a funny shaped dipole and will have a funny shaped radiation pattern. Maximum radiation going up in the direction of the one radial.

Four radials will have a ground impedance of $35 / 4$ or 8.75 ohms. Looking better.

The impedance of a 1/2 wavelength of wire is quite high, therefore, not a very good ground source.

All above assume above ground radials. Yes, ground radials just don't apply and they are more of capacitive coupling to ground.

My test antenna is at <http://kn5l.net/fdantenna/>

I have found the Butternut ground system tech note <http://www.bencher.com/pdfs/00361ZZV.pdf> to be quite informative. The interesting point about multiband verticals and radials is that on 80 meters, the other radials provide enough capacitive coupling to ground. I have found that for 80 40 20 15 10, the above ground radials needed are 40, 20, and 10, the 40 meter radials work as 3/4 wave tuned on 15. On my Field Day vertical page, referenced above, there is a picture of a Butternut with the aforementioned radial configuration.

As always, more radials = better vertical performance.
 $35 / \text{VeryBigNumber} \approx 0$

John

Date: Wed, 4 Feb 2004 11:14:17 -0800
From: "Dave Benson" <nn1g@earthlink.net>
To: <m0bst@hotmail.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [167011] Re: Help-what on earth is going on??
Message-ID: <000a01c3eb53\$1716f7e0\$27624b43@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mike-

The choice of pick-off point for the series-resonant circuit to the receiver is critical. If you have access to a modelling program, it'll be illuminating to inject a signal at the antenna terminal and examine signal levels through the filter. I've 'been there'- modelling confirming the high losses I was seeing.

Your mention of seeing high signal loss when connecting the series network to the antenna side suggests that the impedance looking into your low-pass filter from the antenna is very low.

73- Dave

Dave Benson, K1SWL
dave@smallwonderlabs.com

-----Original Message-----

From: Mike M0BST <m0bst@hotpop.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Wednesday, February 04, 2004 7:41 AM
Subject: Help-what on earth is going on??

Hi all,

Can someone please explain what's going on here? I've built a small TXR for 40M. RX and TX both seem to work fine, until I've messed with the transmit/receive changeover that is.
<snip>

Date: Wed, 04 Feb 2004 10:43:28 -0600
From: "Jerry Hall" <lugehall@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [167012] FOX Report - =?ISO-8859-1?Q?W=D8PWE?=
Message-ID: <BAY9-F12GmPuOGNF6HU00004787@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Thanks all for another fun fox hunt. We had horrendous QRM for about the first 40 minutes but it was the best spot I could find. The hounds did a great job of staying clear of the QRM as best they could. I know it was a little hard to figure out where I was listening at times. The less than

ideal conditions had me pretty rattled but John Burnley, NU0V coached me through it and before long my panic attack was at manageable levels. I apologize for the callsigns I murdered and for asking for fills on stuff I should have just known.

The rough count looks like a little over 80 Pelts with 59 of those in the first hour. A few QRO stations stopped by but they had the exchange figured out so they fit in nicely. Highlights included working WP4KGR from Puerto Rico running 5 watts and the FB 150mw signal from W9JOP in VA.

Thanks to all who participated. You were patient and a great bunch of operators. Thanks also to NU0V who again did the logging, and managed damage control. One more thanks goes to the hound with a big signal who stayed around the entire hunt and helped keep the frequency clear by answering the QRL?s and CQs and asking those stations to QSY. That made a big difference. I will start typing up the log tonight and hope to post it this weekend.

72,

Jerry - WOPWE

Learn how to choose, serve, and enjoy wine at Wine @ MSN.
<http://wine.msn.com/>

Date: Wed, 4 Feb 2004 11:50:13 EST
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [167013] Black Widow sources
Message-ID: <158.2cd41603.2d527cc5@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Since Cabelas quit carrying the Black Widow telescoping 20ft pole I had been looking for another source. Here are two I found and verified they have them in stock

http://www.northamericancrappie.com/bnm_poles1.htm

<http://www.cjcollectiblegifts.com/Bass-Pro/Bnm-Black-Widow-Crappie-Rod-Black-Widow-Crappie-Rod-Extends-To-20-5-Piece.html>

Alan KB7MBI in Woodinville, WA
FISTS 5702 / ARS / Proud member of ARRL

--- --- --- --- DIT DIT

Date: Wed, 4 Feb 2004 09:01:12 -0800 (PST)
From: Garie Halstead K8KFJ <khyberpass65@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [167014] Re: holy qrp, foxman!
Message-ID: <20040204170112.54785.qmail@web60304.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- michael harnage <michael.e.harnage@boeing.com> wrote:

> I second that motion. Marshall has a nice rythm when he does
> the fox hunts. Easy to follow even when low in the noise as
> he was to me last night. I listened to him for 30 minutes before
> I actually called him, just sweet music to my ears.

Hey Michael, I was equally impressed with how quickly he picked a
callsign outta da pack. In most instances, it was a complete callsign
too.. not just XF? Super op without a doubt and I too stopped to
listen. Outstanding QSO total.

72, Gary -K8KFJ-
WV ARFing hound

Do you Yahoo!?
Yahoo! SiteBuilder - Free web site building tool. Try it!
<http://webhosting.yahoo.com/ps/sb/>

Date: Wed, 04 Feb 2004 12:20:33 -0500
From: "Sergio T. Ruiz" <sergio@philway.com>
To: "qrp-l-Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [167015] OT: monitoring nasa..
Message-ID: <6.0.0.22.2.20040204121737.01c156c8@mail.neobright.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

i was wondering ... since i was only a few months old at the time, and had
no radios...

did people monitor the goings on during the moon landings and moon orbits
directly via home based receivers? i.e. not the re broadcasted
transmissions, but the real things...

if so...

what frequencies were used?

what modes?

what kind of power did the moon folks use?

Sergio T. Ruiz
technology and MIS
Philway Products, Inc.
(419) 281-7777 x232

Date: Wed, 4 Feb 2004 11:35:58 -0600
From: "George, W5YR" <w5yr@att.net>
To: "Karl Larsen" <k5di@zianet.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [167016] Re: Fox: Two Clean Sweeps!
Message-ID: <02c901c3eb45\$5a3b1c80\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks, Karl - hope you can hear me!

73, George W5YR
w5yr@att.net

----- Original Message -----
From: "Karl Larsen" <k5di@zianet.com>
To: "George, W5YR" <w5yr@att.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, February 04, 2004 6:51 AM
Subject: Re: Fox: Two Clean Sweeps!

> On Tue, 3 Feb 2004, George, W5YR wrote:
>
> > What a night! Good condx and two outstanding Foxii operators!

> >
> > <rant mode on>
> >
> > If the zero-callsign station whose call ends in "rb" reads this, please
do
> > not sit on the Fox frequency and call him every time he takes calls when
> > you should know he is not listening on frequency! <:{
> >
> > At least you only called once each time . . .
> >
> > <end of Miss Manners rant!>
> >
>
> This is a common thing. Not just one station but several
> sometimes calling and not just once. Sometimes it's ME because I forgot
> to press the button that makes me transmit on vfo B. It happens so often
> that the fox stations send the call AGAIN at the end so maybe you can
> hear your call sign then.
>
> We live in an imperfect world. But it's fun and next Tuesday I
> get to play fox. Think I will fire up my koch and get my own cw copy
> honed up so I can work all those north Texas guys.
>
>
>
>
> > 73, George W5YR
> > w5yr@att.net
> >
> >
> >
>
> --
>
> - Karl Larsen k5di Las Cruces,NM Az ScQRPions -
>

Date: Wed, 4 Feb 2004 17:45:32 -0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: <sergio@philway.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [167017] Re: monitoring nasa..
Message-ID: <BAY12-DAV45vrd7Zd2s0001bdab@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;

charset="Windows-1252"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Sergio T. Ruiz" <sergio@philway.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, February 04, 2004 5:20 PM
Subject: OT: monitoring nasa..

>
> i was wondering ... since i was only a few months old at the time, and had
> no radios...
>
> did people monitor the goings on during the moon landings and moon orbits
> directly via home based receivers? i.e. not the re broadcasted
> transmissions, but the real things...

I don't remember anyone doing it.

Some schoolkids and their teacher (Kettering Grammar School, UK) monitored the first Sputnik satellites and got a lot of media coverage at the time.

Leon

--

Leon Heller, G1HSM
Email: aqzf13@dsl.pipex.com
My low-cost Philips LPC210x ARM development system:
http://www.geocities.com/leon_heller/lpc2104.html

Date: Wed, 4 Feb 2004 09:47:35 -0800 (PST)
From: Garie Halstead K8KFJ <khyberpass65@yahoo.com>
To: Karl Larsen <k5di@zianet.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [167018] Transmitting on the Fox frequency
Message-ID: <20040204174735.3582.qmail@web60309.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Karl Larsen <k5di@zianet.com> wrote:

> This is a common thing. Not just one station but several
> sometimes calling and not just once. Sometimes it's ME because I
> forgot to press the button that makes me transmit on vfo B. It
> happens so often that the fox stations send the call AGAIN at

> the end so maybe you can hear your call sign then.

Yep, we all forget to hit the split button once in a while in the heat of battle. I believe there is also some confusion on the part of hounds as to whether the Fox is working split or simplex (especially near the end of the hunt). This is where I believe the FOXes can help out Karl. If the Fox is operating split then send "UP" after each contact.

TU DE K5DI FOX UP

If things slow down and the Fox wants to work simplex for callers, he simply omits the "UP". With this method, hounds need not be confused as to where the Fox is listening. Whadda think?

72, Gary -K8KFJ-
WV hound

Do you Yahoo!?

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Date: Wed, 4 Feb 2004 10:03:58 -0800
From: "Steve McDonald" <jsm@gulfislands.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [167019] Re: monitoring nasa..
Message-ID: <001501c3eb49\$4de689c0\$a11279d1@jrm>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> did people monitor the goings on during the moon landings and moon orbits
> directly via home based receivers? i.e. not the re broadcasted
> transmissions, but the real things...
>

Sergio - to the best of my knowledge the moon missions used VHF FM (around 230MHz) while in earth orbit. Once on the way to the moon and while at the moon they used S-band (2GHz) way up in the microwave band. Ground control tracked the moon with large dishes. When on the lunar surface the astronauts

used a vhf link back to the lander which rebroadcast on S-band back to earth. It was most interesting listening to the ~ 2 second delay between controllers asking a question and waiting for responses. They often found themselves talking over each other. Many VHF 'rs with big dishes were able to track the lunar module on it's way to the moon (via UHF beacon onboard). I believe only one VHF'r (Paul, W4HKK, I think) actually made some recordings from the surface, I think of the VHF link back to the module. It was all very exciting stuff and signals were always very strong.

Steve / VE7SL

Date: Wed, 4 Feb 2004 13:19:10 -0500
From: "Noyce, Bill" <william.noyce@hp.com>
To: <qrp-1@Lehigh.EDU>
Subject: [167020] Re: Black Widow sources
Message-ID:
<6D6463F31027B14FB3B1FB094F2C7447047DA06B@tayexc17.americas.cpqcorp.net>
Content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Here's where I got a South Bend SD20 last Fall.
They still show it on the page, but I don't know
if they have them in stock.
<<http://877icefish.safeshopper.com/94/cat94.htm?244>>

-- Bill, AB1AV

Date: Wed, 4 Feb 2004 10:21:43 -0800 (PST)
From: Lloyd Lachow <llachow@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [167021] Re: Transmitting on the Fox frequency - long, pontifical
Message-ID: <20040204182143.24812.qmail@web41007.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Garie Halstead K8KFJ <khyberpass65@yahoo.com>
wrote:
 I believe there is also some confusion
> on the part of

> hounds as to whether the Fox is working split or
> simplex (especially
> near the end of the hunt). This is where I believe
> the FOXes can help
> out Karl. If the Fox is operating split then send
> "UP" after each
> contact.
>
> TU DE K5DI FOX UP
>
> If things slow down and the Fox wants to work
> simplex for callers, he
> simply omits the "UP". With this method, hounds
> need not be confused
> as to where the Fox is listening. Whadda think?

Well, that would be ok, except - speaking as a
sometimes Fox and usual Hound, Many, if not most,
Foxii get into a nice rhythm, if the conditions allow,
which does not include anything between the end of
most exchanges and the beginning of the Pack baying
except a "TU," or "dit dit." When I hear a Fox end
each exchange with, "QSL DE AB1CDE FOX UP," I find
myself thinking how many more pelts might be
distributed if all that were eliminated. That portion
of copy, sent repeatedly over the course of a hunt,
could shorten the Fox's effective operating time by
10-15 minutes. What I think works better is if the Fox
uses a similar ending to each, such as "TU," or even
their call, so that the Hounds know what signals the
end. I suppose sending only "UP" would work, but
shouldn't really always be necessary. And certainly,
it's appropriate for the Fox to ID at least once every
ten minutes or less.

As for the issue that began this thread,
inadvertent QRM by Hounds, it's one of the "problems"
that is the real focus and benefit of the Hunts,
second to fun, of course: learning to work a
split-freq pile. Each Hound should know that the FOX
will usually be working split as long as possible -
since it would be a sorry mess otherwise - and will
announce that fact, each week, on this reflector,
prior to the Hunt. Each Hound, then, should always
carefully listen to what's going on before jumping in:
I think it would be rare to be able to hear the Fox

and not hear any Hounds, so listen to at least one exchange before deciding where to transmit. That way, you'll know what's going on.

Last night, Marshall was doing this lovely, predictable moving up and down to pick out a clear call on the edge of the Pack - an essential Fox skill. I listened to a few, noting the location of several Hounds in a row. Then, while he was working someone at the high end of the range, I put my VFO at the low end. As soon as they were done, I sent my call and BAM! Pelt city.

Then I moved down to Jerry, and heard him having an exchange that was, to my surprise, simplex. This was at 0206. So I sent my call next, on-freq, and BAM. A bit later, I checked, and he was into a split-freq run. Go figure...but if you listen first, you can seem smart - and hang those peltii on the wall of the shed, where the xyl doesn't have to see them all the time.

LL

=====

72 es oo, Lloyd, K3ESE - Reisterstown, Maryland FM19p1
KX1#11 - multiPIG+#14 - K1#379 - 20/40M RockMites
Loop - EDZ - LW - Begali Magnetic Classic Paddles
ARRL - ARS - QRParci - QCWA - FISTS #8774
FPQRP #476 - QRP-L - BORG #2
Fun = Skill / Power ! 8^D

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Date: Wed, 4 Feb 2004 12:32:17 -0600
From: "Jim Sheldon" <w0eb@cox.net>
To: "QRP-L Mailing List" <qrp-l@Lehigh.EDU>,
"Four States QRP Group" <4sqrp@mailman.qth.net>,
Subject: [167022] Hewlett Packard Model 160 Frequency Synthesizer
Message-ID: <IBEGLCMLCDHHEFLBPHBOMEAFDBAA.w0eb@cox.net>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Any one out there have any information on the HP-160 frequency synthesizer? All I know for sure about it is that it was used in General Electric MRI equipment, it covers 100KHz to 160 MHz in .1Hz steps, it has variable RF output from zip to about 3 volts P-P and is physically large. It is designed for a 19" rack mount, is about 8" tall and about 22" deep.

I was given one of these, and it WORKS! It has an HP GPIB (488) bus connector on the back and is capable of being operated remotly. I'd like to find a book for this, or at least the computer control information. I checked the frequency against WWV and it's close enough I can't tell the difference by ear, so it really looks like I've cabbaged onto something really nice in the test equipment department.

Anyone having info on this thing, I'd appreciate it. Probably best to reply off list to keep the clutter down.

Jim, WOEB
Wichita, KS

w0eb@cox.net

Date: Wed, 4 Feb 2004 10:51:32 -0800
From: "Bill Linn" <wlinn@smgazette.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [167023] Manual -- FT-470 (Yaesu 2-band handheld)
Message-ID: <001001c3eb4f\$e9270c60\$b970ef42@wa7tqk>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone have an FT-470 and no manual? I'm cleaning out the files... my 470 went defunct a couple years back and now have the manual. Hate to throw it away, so does anyone have a need. This offer is free to someone who really has a need for it, please.

Thanks, Bill - W7WEL

[SMGazette.com E-mail is scanned for viruses by Declude Virus]
[Visit us on the web at SMGazette.com]

Date: Wed, 04 Feb 2004 14:14:45 -0500
From: John Sielke <jsielke@pobox.com>
To: qrp-1@lehigh.edu
Subject: [167024] Re: Transmitting on the Fox frequency - long, pontifical
Message-ID: <402144A5.3000402@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Then of course, you could do like the DXERS do, and send "UP UP LID"
over and over on the fox's frequency.....

John W2AGN

Date: Wed, 4 Feb 2004 21:31:46 +0100
From: "joswarnier" <on6wj@skynet.be>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [167025] computer xtals ?
Message-ID: <006f01c3eb5d\$e9004220\$35a8902c@on6wj>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hello to all,

for my recvr project (dual conversion)
-first IF : 4.9152 MHz (ladder filter with cheap computer xtals)
-second IF : 455 KHz,
I am looking for a 5.370 MHz or a 4.460 MHz xtal
(455 KHz + or - the first IF...or as close as possible) for the second
oscillator.
-I don't known if such values exist in the computer branch ?
-or any suggestions for xtal suppliers are welcome.

Thanks
best 72's
on6wj / josef
on6wj@skynet.be
g-qrp-c # 429

bqc #187
FP #671

Date: Wed, 4 Feb 2004 12:44:41 -0700
From: "Paul Ermisch" <paul@ermisch.com>
To: <ARDUJENSKI@aol.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [167026] RE: Black Widow sources
Message-ID: <NHBBIMAFPBCKANGJGAPDMELHDBAA.paul@ermisch.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

WorldRadio also sells them...

<<http://www.wr6wr.com/newSite/products/SD20pole/index.html>>

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
ARDUJENSKI@aol.com
Sent: Wednesday, February 04, 2004 9:50 AM
To: Low Power Amateur Radio Discussion
Subject: Black Widow sources

Since Cabelas quit carrying the Black Widow telescoping 20ft pole I had been
looking for another source. Here are two I found and verified they have them
in stock

http://www.northamericancrappie.com/bnm_poles1.htm

[http://www.cjcollectiblegifts.com/Bass-Pro/Bnm-Black-Widow-Crappie-Rod-Black
-W
idow-Crappie-Rod-Extends-To-20-5-Piece.html](http://www.cjcollectiblegifts.com/Bass-Pro/Bnm-Black-Widow-Crappie-Rod-Black-Widow-Crappie-Rod-Extends-To-20-5-Piece.html)

Alan KB7MBI in Woodinville, WA
FISTS 5702 / ARS / Proud member of ARRL
--- --- --- --- DIT DIT

Date: Wed, 4 Feb 2004 12:04:03 -0800 (PST)
From: Curt Milton <wb8yyy@yahoo.com>
To: on6wj@skynet.be,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [167027] Re: computer xtals ?
Message-ID: <20040204200403.41248.qmail@web60804.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Josef - fine business on your receiver project!

as you know the K2 and also the 2N2/40 (amongst others) use a 4.915 MHz IF. i am contemplating building a receiver for 40 meters using this IF that might later be used on other bands.

you might check this listing to see if your frequencies are available -

<http://diz.faithweb.com/builders/xtals.html>

an alternative is to not employ the second IF, and to implement a product detector at 4.915 MHz using a crystal that is pulled with a capacitor.

check out this website for an example:

<http://www.qsl.net/k8iqy/>

while you may have 455 kHz parts in your collection, it may be more trouble than it is worth to use them for a modern receiver.

enjoy your build project! maybe i will get started with mine soon.

curt wb8yyy fp # 44

--- joswarnier <on6wj@skynet.be> wrote:

>
>
> Hello to all,
>
> for my recvr project (dual conversion)
> -first IF : 4.9152 MHz (ladder filter with cheap
> computer xtals)
> -second IF : 455 KHz,
> I am looking for a 5.370 MHz or a 4.460 MHz xtal

> (455 KHz + or - the first IF...or as close as
> possible) for the second
> oscillator.
> -I don't know if such values exist in the computer
> branch ?
> -or any suggestions for xtal suppliers are welcome.
>
> Thanks
> best 72's
> on6wj / josef
> on6wj@skynet.be
> g-qrp-c # 429
> bqc #187
> FP #671
>
>

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Date: Wed, 04 Feb 2004 15:17:11 -0500
From: "Mike Lyness, AF4LQ" <olyellr@iglou.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [167028] 80mtr beacon results from Saturday evening.
Message-ID: <5.1.0.14.1.20040204150623.00a53010@mail.iglou.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Below are the reports received on my 80m beacon, ran Saturday evening,
Jan. 31/Sun. Feb. 1. Thanks to all who listened for it and/or tried to. The
reports were greatly appreciated.

Thanks also to Chuck, W5USJ who let me participate in this fun event.
Special thanks to Garie, K8KFJ who recorded and sent me an .mp3 file
of my signal. Had a lot of fun and hope to do it again sometime.

QTH - Louisville, Ky.
Ran a K2 at 4 watts to an endfed halfwave configured as an inverted-L
(appr. 40ft vert x 90ft horiz), homebrew L-match, Logikit CMOS4 keyer
in beacon mode.

UTC	NAME	CALL	R/S	GRID	QTH
-----	------	------	-----	------	-----

0248	Max	K0MAX	5/1-5/6	EN34jw	Minneapolis, MN
0250	Lloyd	K3ESE	5/9	FM19pl	Reisterstown, MD
0322	Chuck	W5USJ	5/3	EM22cv	Point, TX.
0330	Mark	KA6WKE/M	5/3	DM12vn	Agua Caliente, CA
0330	Bruce	VE5RC	ESP	D070qk	Regina, SK
0347	Mike	WA8BXN	5/5	EN91gp	Cleveland, OH
0324	Bob	K3PH	5/9-5/7	FN20fv	Kresgeville, PA
0325	Jay	AJ4AY	5/5 QSB	EM50vp	Mobile, AL
0421	Greg	AK7Y	5/3 QSB	DM54hm	Alpine, AZ
0551	Garie	K8KFJ	5/9	EM98cj	Saint Albans, WV
0649	Ron	W6AZ	3/2	CM97ai	Santa Clara, CA

Second Reports:

0322	Lloyd	K3ESE	5/9	FM19pl	Reisterstown, MD
0400	Lloyd	K3ESE	5/9	FM19pl	Reisterstown, MD

 73, Mike
 af4lq

 Date: Wed, 4 Feb 2004 20:34:29 -0000
 From: "Leon Heller" <leon_heller@hotmail.com>
 To: <on6wj@skynet.be>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
 Subject: [167029] Re: computer xtals ?
 Message-ID: <BAY12-DAV189hYDkngM0001cde7@hotmail.com>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="Windows-1252"
 Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "joswarnier" <on6wj@skynet.be>
 To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
 Sent: Wednesday, February 04, 2004 8:31 PM
 Subject: computer xtals ?

>
 >
 > Hello to all,
 >
 > for my recvr project (dual conversion)
 > -first IF : 4.9152 MHz (ladder filter with cheap computer xtals)

> -second IF : 455 KHz,
> I am looking for a 5.370 MHz or a 4.460 MHz xtal
> (455 KHz + or - the first IF...or as close as possible) for the second
> oscillator.
> -I don't know if such values exist in the computer branch ?
> -or any suggestions for xtal suppliers are welcome.

QuartzLab are pretty good for custom crystals:
<http://www.quartzlab.demon.co.uk/>

I've used them quite a lot over the years.

Leon

--

Leon Heller, G1HSM
Email: aqzf13@dsl.pipex.com
My low-cost Philips LPC210x ARM development system:
http://www.geocities.com/leon_heller/lpc2104.html

Date: Wed, 4 Feb 2004 15:41:29 -0500
From: "Charles W3KC" <w3kc@starpower.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [167030] Re: monitoring nasa..
Message-ID: <002701c3eb5f\$44f911a0\$f5022c42@w3kc>

Reminds me of the time when the first moon landing happened. I was living in WBGV at the time. My father-in-law had stopped by a local tavern. He told me that two guys were in the parking lot looking at the moon through their rifle scopes. He asked them what was going on and they said they were looking to spot the Eagle lander - but seeing nothing, they pronounced the moon landing a hoax and went back into the tavern.

72 de Chas W3KC

Date: Wed, 04 Feb 2004 20:43:43 +0000
From: wa3rey@comcast.net
To: qrp-l@lehigh.edu
Subject: [167031] Re: 1-chip radios again
Message-ID: <020420042043.8601.6eb1@comcast.net>

>By the way, there are a number of simple shortwave radio designs out there
>that use the ZN414/MK484 for an IF amplifier. I am working on such a design
>myself--getting BFO injection into the chip is the tricky part, but there

>are those who claim to have done it.

Check this online collection of articles on building receivers

<http://www.mikroelektronika.co.yu/english/product/books/rrbook/rrbook.htm>

including this

<http://www.mikroelektronika.co.yu/english/product/books/rrbook/chapter3/chapter3g.htm>

on the 414.

73,

Tom

Date: Wed, 04 Feb 2004 14:24:05 -0700
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qRP-L@lehigh.edu
Subject: [167032] FOX: Technique, Technique, Technique
Message-ID: <40210085.23602.1096F28@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Hi, Guys--

Lloyd said--

>>When I hear a Fox end each exchange with, "QSL DE AB1CDE FOX UP," I find myself thinking how many more pelts might be distributed if all that were eliminated... What I think works better is if the Fox uses a similar ending to each, such as "TU," or even their call, so that the Hounds know what signals the end..<<

That's very true, and I very seldom send anything more than R TU and occasionally add a dit-dit. But I do sometimes mix it up a bit, for a reason that might be all that obvious! This late in the season, the foxes and hounds have largely got used to each other, and there's been a lot of skill-building going on. The pack noticeably more "disciplined" and the fox more efficient than in the first few hunts as the hounds have either worked out what's going

to work for them, or (sadly) dropped out of the hunts from frustration. But as I found last night, the hounds have almost become TOO good. If end every QSO with "TU" for five minutes or so, the entire pack of hounds will start transmitting at the same time, but if I send R TU 72 the ones who are actually listening [g] will delay their call and therefore stand out from the others.

Similarly, its surprising how you can change your listening frequency, make a Q, and then have a dozen guys calling you RIGHT THERE. And as Lloyd says later, a lot of hounds can figure out a pattern, such as working stations 200Hz higher each time. i don't know how other foxes do that, but I tend to manage it by ear-- I'll listen for a pitch that is high or low enough to stand out, then adjust the VFO when the guy's sending his exchange. But when it becomes apparent that a whole bunch of hounds have figured out my "pattern" I'll throw a random jump in there-- last night even worked a guy who was sending DOWN because I overshot my target and heard him clearly. He was real lucky, because ordinarily I can't hear anything lower than about 300Hz above my transmit freq. So for me, the essence of pileup management is to get the pack to move in ways I can anticipate, so I can pick a signal off the edge of it. And playing with the timing (the length of a confirmation) can be a big help. The only rule I try to apply to my listening frequency is to avoid answering a guy who is within about 200 Hz of my sending spot because if I do a bunch of guys will start calling there (or closer).

But to get back to the original question, which was how you can tell when a Fox has abandoned working split and listing zero-beat, it's only going to be difficult when few stations are calling, and you can't hear the guy that the fox is working. But there's a dead giveaway-- if you hear the fox call CQ FOX twice or three times in a row without working anybody, you can be pretty sure the pile-up has disappeared and the fox will be working a lot closer to zero-beat if not right on it.

There's one last technique I used last night that might be of interest, if less than obvious. Periodically during first madhouse half hour, I would switch to the GAP vertical antenna and/or punch in the anntenuator to filter out all but the strongest third or so of the signals.

And sometimes I'll make an educated guess, too-- that's how you got YOUR pelt last night, Tom-- I heard what could have been a 1 and a definite TP and sounded "right" for Tom so I sent N1TP and there you were. I could have sent TP? but would you have heard it? Maybe not. Which reminds me, I get the impression that guys are indeed listening more carefully-- several times if I wasn't 100% sure of a call, I'd send a ? after it both times and sure enough the hound would include his callsign in the exchange, either correcting or confirming what I'd sent. Good work, guys!

73

Marshall Emm

N1FN/VK5FN

n1fn@MorseX.com

Morse Express and Oak Hills Research

"Everything for the Morse Enthusiast"

<http://www.MorseX.com>

<http://www.ohr.com>

(303)752-3382

--

Date: Wed, 4 Feb 2004 16:39:03 -0500

From: "Dennis Payton" <n9jxy@earthlink.net>

To: <qrp-1@lehigh.edu>

Subject: [167033] Re: Portable Radial Ideas?

Message-ID: <008c01c3eb67\$503d0140\$992ba3d1@6300us>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

> I like the system you used with Ade Weiss, but I've never heard of
> corrugated PVC. Can you provide anymore information on this?

Maybe it's just called corrugated plastic. I don't know where I bought a sheet of it from, but I notice many outdoor signs, such as garage sale signs, and temporary outdoor signs at fast food restaurants are made from it. With this political season coming, surely many of those signs will also be made from it. If you see any Democratic signs made from it, maybe you should snatch up one or two. Not only would you be getting some free corrugated plastic, you'd be doing a public service at the same time! :-)

By the way, I think my problem of sometimes-tangled radials was because I was testing them by deploying them in my garage, out of the freezing temperatures, and couldn't spread them out like they actually would be. Today, I tried deploying them and taking them in, outside in the snow, attached to a screwdriver pounded into the ground, and they appear to work very well, so my "Two-Minute Pocket Radials" project is probably finished.

If anyone tries to duplicate them from my brief description, I'd better mention that it's important to put a few layers of duct tape over the holes, then poke the nails through it, so there's some resistance to them falling out when you don't want them to. Also, in tying the wire to the tops of the nails, I used 2-1/2" finishing nails, then put a small drop of epoxy on the knot to secure it. The holder is 6" x 3-1/8" (16-holes) with a 3/4" x 2-1/8" (12-hole) notch cut out of the top and bottom. An arrow drawn on one corner of it, shows me how to hold it the same way every time, so the radials don't get twisted.

Denny Payton N9JXY

> ----- Original Message -----

> From: "Dennis Payton" <n9jxy@earthlink.net>

> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Sent: Tuesday, February 03, 2004 9:38 PM

> Subject: Portable Radial Ideas?

Date: Wed, 4 Feb 2004 16:44:43 -0500

From: "Howard Kraus" <K2UD@adelphia.net>

To: <w3kc@starpower.net>

Cc: <qrp-1@Lehigh.EDU>

Subject: [167034] Re: monitoring nasa..

Message-ID: <000901c3eb68\$19c56980\$9f131443@kntnny.adelphia.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Charles W3KC" <w3kc@starpower.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Wednesday, February 04, 2004 3:41 PM

Subject: Re: monitoring nasa..

> Reminds me of the time when the first moon landing happened. I was living in

> WBGV at the time. My father-in-law had stopped by a local tavern. He told me

> that two guys were in the parking lot looking at the moon through their rifle

It would appear that they were shooting the moon. Ouch!

Howard Kraus, K2UD

Running out of room here so need to find a new home for some QRP magazines.

ARCI QRP QUARTERLY 1995-1998 All issues

1999 April only
I'M keeping the later
issues!!

QRP Homebrewer Issues 6 thru 10

Prefer to ship in sets but if you need a filler for your collection, we can work that out.

Thanks and 72/73

Bob WOLK

Date: Wed, 4 Feb 2004 15:52:39 -0600
From: "Jim NOUR" <n0ur@comcast.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [167036] Re: FYBO Reminder
Message-ID: <000301c3eb69\$35eb1c80\$0200a8c0@ce1.client2.attbi.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I notice QST and ARRL web site are off by 1 hour in their posting. They list the times as 1500-2300Z. I am going to assume 1600-2400Z is correct.

Looks like the HIGH temp for Saturday is around +12F here in MN, so there will be some serious butt freezing up here. Please try and get on, if only for a few minutes and hand out some Qs to us cold fellows

72 es gl

Jim N(below0)UR

Date: Wed, 4 Feb 2004 15:09:59 -0700 (MST)
From: Karl Larsen <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [167037] XG1 Receiver test
Message-ID: <Pine.LNX.4.44.0402041435100.5285-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I borrowed WF5A's XG1 and have the paper that comes with it. I measured the FT-817 I have used for almost 2 years now. I tested it with the preamp ON, AGC OFF, and with the 500 Hz collins mechanical filter IN.

The noise with no input was 0.2 volts RMS measured at the earphone jack. So N=0.2

The signal plus noise with a 1 micovolt signal was 3.8 volts RMS. So S+N=3.8

The ratio of S+N over N is called R. And R=19. To put R into the proper units of DB, I took the log of R and multiplied it by 20 since we are using voltage and want a power number. This number is 20 times 1.278 = 25.6 DB.

Since a 1 micovolt input is a known -107 DB down, we get the noise value to be -107 -25.6 = -132.6 DB. This is the minimum detectable signal level and it's measured a different way when a radio is evaluated by the ARRL, but they got almost the same value, -133 DB.

I measured my Kenwood TS-50 and got N=0.15 S+N=4.6 and that results in a minimum detectable signal of -136.7 DB. This number is somewhat suspect because there is no way to turn the AGC off on this radio.

All things considered I know a little more about my radios now. By the way, a 1 microvolt signal into both radios is a LOUD signal. Even though it's 50 times less than a S9 signal.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Wed, 04 Feb 2004 17:05:23 -0500
From: "Mike Lyness, AF4LQ" <olyellr@iglou.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [167038] 80mtr beacon results, correct order
Message-ID: <5.1.0.14.1.20040204165944.00a417a0@mail.iglou.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Noticed that I sent my beacon results out of order, timewise.
Corrected below.

UTC	NAME	CALL	R/S	GRID	QTH
0248	Max	K0MAX	5/1-5/6	EN34jw	Minneapolis, MN
0250	Lloyd	K3ESE	5/9	FM19pl	Reisterstown,MD
0322	Chuck	W5USJ	5/3	EM22cv	Point,TX.
0324	Bob	K3PH	5/9-5/7	FN20fv	Kresgeville,PA
0325	Jay	AJ4AY	5/5 QSB	EM50vp	Mobile,AL
0330	Mark	KA6WKE/M	5/3	DM12vn	Agua Caliente, CA
0330	Bruce	VE5RC	ESP	D070qk	Regina,SK

0347	Mike	WA8BXN	5/5	EN91gp	Cleveland,OH
0421	Greg	AK7Y	5/3	QSB DM54hm	Alpine,AZ
0551	Garie	K8KFJ	5/9	EM98cj	Saint Albans,WV
0649	Ron	W6AZ	3/2	CM97ai	Santa Clara,CA

Second Reports:

0322	Lloyd	K3ESE	5/9	FM19pl	Reisterstown,MD
0400	Lloyd	K3ESE	5/9	FM19pl	Reisterstown,MD

Thanks again to all.

73, Mike
af4lq

Date: Wed, 4 Feb 2004 16:42:42 -0500
From: John Sielke <jsielke@pobox.com>
To: qrp-l@lehigh.edu
Subject: [167039] One more time...
Message-ID: <200402041642.42602.jsielke@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

I'll try this question. No answers before.

Remember last year we had that fun little
contest for "Minimal QRP" rigs, like Rockmites, Pixies, TT2s, 49ers, etc.?
Anyway, I forgot who put that on. Also, any plans to do it again? It was a
blast. Seems like a good winter diversion...

John W2AGN

Date: Wed, 4 Feb 2004 17:34:43 -0500
From: "John Paul Keon" <jpkeon@nc.rr.com>
To: <n0ur@comcast.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [167040] Re: FYBO Reminder
Message-ID: <005101c3eb6f\$16d8a5a0\$6601a8c0@nc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 8bit

Jim,
We will be in there all day too.
Stay warm.
We will be WQ4RP as usual.

John Paul, Raleigh, NC [AB4PP]//NNN UTV
"Sir Scribemeister" of the Knightlites
<http://www.knightlites.org>
"We all take different paths in life, but no matter where
we go, we take a little of each other everywhere."
----- Original Message -----
From: "Jim N0UR" <n0ur@comcast.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, February 04, 2004 4:52 PM
Subject: Re: FYBO Reminder

I notice QST and ARRL web site are off by 1 hour in their posting. They
list the times as 1500-2300Z. I am going to assume 1600-2400Z is correct.

Looks like the HIGH temp for Saturday is around +12F here in MN, so there
will be some serious butt freezing up here. Please try and get on, if only
for a few minutes and hand out some Qs to us cold fellows

72 es gl

Jim N(below0)UR

Date: Wed, 04 Feb 2004 18:39:10 -0400
From: Claudia & Reed Park <reedpark@nbnet.nb.ca>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [167041] Re: PIC-EL
Message-ID: <4021748E.DF16838A@nbnet.nb.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Any sign of them in Canada yet ?

7 3
Reed - VE1NU

Looking for information on Marconi SMR-3 and
Northern Electric R8119A receivers of WW 2.

Date: Wed, 4 Feb 2004 16:40:33 -0600
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [167042] Re: One more time...
Message-ID: <000701c3eb6f\$e754d6e0\$7238d90c@mchsi.com>

LOL Good one John:

I'm in the middle of building up a dual band RM. I'll be ready
!!!!!!! oo

72 Jerry N0JRN
----- Original Message -----
From: "John Sielke" <jsielke@pobox.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, February 04, 2004 3:42 PM
Subject: One more time...

> I'll try this question. No answers before.
>
> Remember last year we had that fun little
> contest for "Minimal QRP" rigs, like Rockmites, Pixies, TT2s, 49ers,
etc.?
> Anyway, I forgot who put that on. Also, any plans to do it again? It
was a
> blast. Seems like a good winter diversion...
>
> John W2AGN
>

Date: Wed, 4 Feb 2004 17:58:10 -0500
From: "Tom Palmer" <n1tp@swfla.rr.com>
To: <qrp-1@Lehigh.EDU>

Subject: [167043] Re: FOX: Technique, Technique, Technique
Message-ID: <000301c3eb72\$5ca62fa0\$9b330843@swfla.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

As every FOX knows, the hardest part of being a
FOX is being able to pick out 1 call sign from a
pack of (often) at least dozens of baying hounds.

Marshall explains how he, an experienced and
accomplished FOX, can more readily pick out 1 call
sign from the pack "at the edges." Sometimes the
pack of hounds is so "thick" that the only way to
pick out 1 call sign is listeniong at one edge of
the pack - usually - it seems - "up."

Incidently, if I hear the FOX transmit only "TP" I
immediatly reply with "N1TP?"

Marshall, as usual - an excellent outing as da
FOX.
I'm looking forward to reading your pre-log.

Tom, N1TP
Naples, FL.

End of QRP-L Digest 3186

